NPAC SMS/Individual Service Provider Certification and Regression Test Plan

For New Entrants Certification and Existing Service Providers/Vendors Regression Testing up to and including NPAC Release 3.4.8

Chapter 9

December March 31, 20157 Release 3.4.8

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9. Individual Turn Up Test Scenarios related to NPAC Release 2.

Section 9 contains all test cases written for individual Service Provider Turn Up testing of Release 2.x of the NPAC software. With this release of test cases a new test case format was defined. For TN Range Notification functionality, one notification will be sent if supported by the service provider, individual TN notifications will be sent if not supported by the service provider.

9.1.1 ILL 75 Related Test Cases:

A. TEST IDENTITY

Test Case Number:	ILL 75 - 1	Priority:	Required
Objective:	SOA – Old Service Provider Personnel create an Inter-Service Provider Subscription		
	Version specifying a due date that is prior to the NPA-NXX Effective Date – Error		
	(Note: This error may be caught by either the SOA or NPAC SMS.)		

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation		
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	RR5-44		
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.1.1 Subscription Version Create by the Initial SOA (Old Service Provider)		

Test Case Number:	ILL 75 - 2	Priority:	Required			
Objective:		SOA – New Service Provider Personnel create an Inter-Service Provider Subscription Version specifying a due date that is prior to the NPA-NXX Effective Date – Error				
	1	e: This error may be caught by either the SOA or NPAC SMS.)				

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	RR5-44
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider)

Test Case Number:	ILL 75 - 3	Priority:	Conditional	
Objective:	SOA – Old Service Provider Personnel, using a range of TNs, create Inter-Service Provider			
	Subscription Versions spe	Subscription Versions specifying a due date that is prior to the NPA-NXX Effective Date –		
	Error (Note: This error m	nay be caught by e	ither the SOA or NPAC SMS.)	

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	RR5-44
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.1.1 Subscription Version Create by the Initial SOA (Old Service Provider)

Test Case Number:	ILL 75 - 4	Priority:	Conditional
Objective:	SOA – New Service Provider Personnel, using a range of TNs, create Inter-Service		
	Provider Subscription Versions specifying a due date that is prior to the NPA-NXX		
	Effective Date – Error		
	(Note: This error may be caught by either the SOA or NPAC SMS.)		

B. REFERENCES

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NANC Change Order Revision Number:		Change Order Number(s):	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	RR5-44
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider)

Test Case Number:	ILL 75 - 5	Priority:	Required		
Objective:		SOA – Service Provider Personnel create an Intra-Service Provider Subscription Version specifying a due date that is equal to the NPA-NXX Effective Date – Success			

B. **REFERENCES**

NANC Change Order Revision Number:		Change Order Number(s):	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation		
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	RR5-45		
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.1.11 Subscription Version Create for Intra-Service Provider Port		

Test Case procedures incorporated into test case 8.1.2.1.1.18 for Release

1.0.

Test Case Number:	ILL 75 - 6	Priority:	Conditional	
Objective:		SOA – Service Provider Personnel, using a range of TNs, create Intra-Service Provider Subscription Versions specifying a due date that is equal to the NPA-NXX Effective Date –		
	Success			

B. **REFERENCES**

NANC Change Order Revision Number:		Change Order Number(s):	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	RR5-45
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.1.11 Subscription Version Create for Intra-Service Provider Port

Test Case procedures incorporated into test case 8.1.2.1.1.19 for Release 1.0.

Test Case Number:	ILL 75 - 23	Priority:	Required			
Objective:		SOA – Old Service Provider Personnel modify an Inter-Service Provider Subscription Version specifying a due date that is equal to the NPA-NXX Effective Date – Success				

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	none
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.2.3 Subscription Version Modify Prior to Activate Using M-ACTION

Test Case procedures incorporated into test case 8.1.2.2.1.34 for Release

1.0

1001001001		-						
Test Case Number:	ILL 75 - 24	Priority:	Required					
Objective:	SOA – New Service Provider Personnel modify an Inter-Service Provider Subscription Version specifying a due date that is equal to the NPA-NXX Effective Date – Success							

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	none
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.2.3 Subscription Version Modify Prior to Activate Using M-ACTION

Test Case procedures incorporated into test case 8.1.2.2.1.1 for Release

1.0.

Test Case Number:	ILL 75 - 25	Priority:	Conditional				
Objective:			ng a range of TNs, modify Inter-Service a due date that is equal to the NPA-NXX				

B. REFERENCES

REI EREI (CED			
NANC Change		Change Order	NANC 394
Order Revision		Number(s):	
Number:			
NANC FRS	2.0.0	Relevant	RR5-163
Version Number:		Requirement(s):	
NANC IIS	2.0.1	Relevant Flow(s):	B.5.2.3 Subscription Version Modify Prior
Version Number:			to Activate Using M-ACTION
			to retroit osting in richtent

C. TIME ESTIMATE

•								
	Estimated		Estimated		Estimated		Estimated	
	Execution		Prerequisite		NPAC Setup		SP Setup	
	Time:		Setup Time:		Time:		Time:	

D. PREREQUISITE

INEREQUISIT	
Prerequisite Test	
Cases:	
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	Verify that the 'pending' Subscription Versions to be modified exist on the NPAC SMS with a due date later than the current date and later than the NPA-NXX-Live Timestamp Effective Date.

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Old Service Provider personnel take action to modify the subscriptionOldSP-DueDate of Inter- Service Provider Subscription Versions for a range of TNs with a due date that is equal to the NPA- NXX-Live Timestamp Effective Date.	SP	The SOA issues an M-ACTION Request subscriptionVersionModify in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS.
2.	NPAC	The NPAC SMS accepts the M- ACTION Request in CMIP (or MODQ – ModifyRequest in XML) from the Service Provider SOA.	NPAC	 The NPAC SMS successfully validates the Subscription Versions due date. The NPAC SMS issues an M-SET Request to itself to modify the subscriptionVersionNPAC objects and set the subscriptionModifiedTimeStamp. The NPAC SMS issues an M-SET Response to itself. The NPAC SMS issues an M-ACTION Success Response in CMIP (or MODR – ModifyReply in XML) to the Service Provider SOA.
3.	NPAC	The NPAC SMS issues an M- EVENT-REPORT attributeValueChange in CMIP (or	SP	The Service Provider SOA sends confirmation for each TN in the range in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.

		VATN –		
		SvAttributeValueChangeNotification		
		in XML) for each TN in the range to		
		the Old Service Provider SOA.		
4.	NPAC	The NPAC SMS issues an M-	SP	The New Service Provider SOA sends confirmation
		EVENT-REPORT		for each TN in the range in CMIP (or NOTR –
		attributeValueChange in CMIP (or		NotificationReply in XML) to the NPAC SMS.
		VATN –		
		SvAttributeValueChangeNotification		
		in XML) for each TN in the range to		
		the New Service Provider SOA.		
5.	NPAC	NPAC Personnel perform a query for	NPAC	The Old SP Subscription Version due date was
		the Subscription Versions to verify		modified correctly for all TNs in the range.
		that the Old SP due date was		·
		modified to the date submitted.		
6.	SP -	Service Provider Personnel, using	SP	The Old SP Subscription Version due date was
	conditi	either the SOA/SOA LTI or LSMS,		modified correctly for all TNs in the range.
	onal	perform an NPAC query for the		
		Subscription Versions to verify that		
		the Old SP due date was modified to		
		the date submitted.		
7.	SP-	Service Provider Personnel, using	SP	The Old SP Subscription Version due date was
	option	either their SOA or LSMS, perform a		modified correctly for all TNs in the range.
	al	local query for the Subscription		
		Versions to verify that the Old SP		
		due date was modified to the date		
		submitted.		
		Suomittou.		

Test Case Number:	ILL 75 - 26	Priority:	Conditional				
Objective:		rsions specifying a	ing a range of TNs, modify Inter-Service a due date that is equal to the NPA-NXX-Live				

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 394
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	RR5-163
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.2.3 Subscription Version Modify Prior to Activate Using M-ACTION

C. TIME ESTIMATE

•								
	Estimated		Estimated		Estimated		Estimated	
	Execution		Prerequisite		NPAC Setup		SP Setup	
	Time:		Setup Time:		Time:		Time:	

D. PREREQUISITE

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Prerequisite Test	
Cases:	
Prerequisite	
NPAC Setup:	
r	
Prerequisite SP	Verify that the 'pending' Subscription Versions to be modified exist on the NPAC SMS
Setup:	with a due date later than the current date and later than the NPA-NXX-Live Timestamp
	with a due date fater than the current date and fater than the NFA-NAA- <u>Live Timestamp</u>
	Effective Date.

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NDAC

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, New Service Provider personnel take action to modify the subscriptionNewSP- DueDate of Inter-Service Provider Subscription Versions for a range of TNs with a due date that is equal to the NPA-NXX-Live Timestamp Effective Date.	SP	The SOA issues an M-ACTION Request subscriptionVersionModify in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS.
2.	NPAC	The NPAC SMS accepts the M- ACTION Request in CMIP (or MODQ – ModifyRequest in XML) from the Service Provider SOA.	NPAC	 The NPAC SMS successfully validates the Subscription Versions due date. The NPAC SMS issues an M-SET Request to itself to modify the subscriptionVersionNPAC objects and set the subscriptionModifiedTimeStamp. The NPAC SMS issues an M-SET Response to itself. The NPAC SMS issues an M-ACTION Success Response in CMIP (or MODR – ModifyReply in XML) to the Service Provider SOA.
3.	NPAC	The NPAC SMS issues an M- EVENT-REPORT attributeValueChange in CMIP (or	SP	The Service Provider SOA sends confirmation for each TN in the range in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.

		VATN –		
		SvAttributeValueChangeNotification		
		in XML) for each TN in the range to		
		the Old Service Provider SOA.		
4.	NPAC	The NPAC SMS issues an M-	SP	The New Service Provider SOA sends confirmation
		EVENT-REPORT		for each TN in the range in CMIP (or NOTR –
		attributeValueChange in CMIP (or		NotificationReply in XML) to the NPAC SMS.
		VATN –		
		SvAttributeValueChangeNotification		
		in XML) for each TN in the range to		
		the New Service Provider SOA.		
5.	NPAC	NPAC Personnel perform a query for	NPAC	The New SP Subscription Version due date was
		the Subscription Versions to verify		modified correctly for the range of TNs.
		that the New SP due date was		
		modified to the date submitted.		
6.	SP -	Service Provider Personnel, using	SP	The New SP Subscription Version due date was
	conditi	either the SOA/SOA LTI or LSMS,		modified correctly for the range of TNs.
	onal	perform an NPAC query for the		
		Subscription Versions to verify the		
		New SP due date was modified to the		
		date submitted.		
7.	SP-	Service Provider Personnel, using	SP	The New SP Subscription Version due date was
	option	either their SOA or LSMS, perform a		modified correctly for the range of TNs.
	al	local query for the Subscription		
		Versions to verify that the New SP		
		due date was modified to the date		
		submitted.		
		1		

Test Case Number:	ILL 75 –27	Priority:	Required		
Objective:		SOA – Old Service Provider Personnel modify an Inter-Service Provider, Port-to-Original Subscription Version specifying a due date that is prior to the NPA-NXX Effective Date –			
	Error (Note: This error may	Error (Note: This error may be caught by either the SOA or NPAC SMS.)			

B. REFERENCES

NEFERENCES			
NANC Change Order Revision Number:		Change Order Number(s):	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	none
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.2.3 Subscription Version Modify Prior to Activate Using M-ACTION

Test Case Number:	ILL 75 –28	Priority:	Required		
Objective:		SOA – New Service Provider Personnel modify an Inter-Service Provider, Port-to-Original Subscription Version specifying a due date that is prior to the NPA-NXX Effective Date –			
		(Note: This error may be caught by either the SOA or NPAC SMS.)			

B. REFERENCES

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NANC Change Order Revision Number:		Change Order Number(s):	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	none
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.2.3 Subscription Version Modify Prior to Activate Using M-ACTION

C. TIME ESTIMATE

•							
	Estimated	Estimated	Estimated	Estimated			
	Execution	Prerequisite	NPAC Setup	SP Setup			
	Time:	Setup Time:	Time:	Time:			

Test Case superseded by NANC 394-3 implemented in NPAC Release

3.3.

Test Case Number:	ILL 75 –29	Priority:	Conditional			
Objective:	SOA – Old Service Provider Personnel, using a range of TNs, modify Inter-Service					
	Provider, Port-to-Original Subscription Versions specifying a due date that is prior to the					
	NPA-NXX Effective Date – Error					
	(Note: This error may be caught by either the SOA or NPAC SMS.)					

B. REFERENCES

NEFERENCES			
NANC Change Order Revision Number:		Change Order Number(s):	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	none
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.2.3 Subscription Version Modify Prior to Activate Using M-ACTION

	Test Case Number:	ILL 75 –30	Priority:	Conditional	
Γ	Objective:	SOA – New Service Provider Personnel, using a range of TNs, modify Inter-Service			
		Provider, Port-to-Original Subscription Versions specifying a due date that is prior to the			
		NPA-NXX Effective Date – Error			
		(Note: This error may be caught by either the SOA or NPAC SMS.)			

B. REFERENCES

REFERENCES					
NANC Change Order Revision Number:		Change Order Number(s):	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation		
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	none		
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.2.3 Subscription Version Modify Prior to Activate Using M-ACTION		

Test Case Number:	ILL 75 - 31	Priority:	Required		
Objective:		SOA – Service Provider Personnel modify an Intra-Service Provider Subscription Version specifying a due date that is prior to the NPA-NXX Effective Date – Error			
	(Note: This error may be	(Note: This error may be caught by either the SOA or NPAC SMS.)			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	none
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.2.3 Subscription Version Modify Prior to Activate Using M-ACTION

Test Case Number:	ILL 75 - 32	Priority:	Required
Objective:	SOA – Service Provider Personnel, using a range of TNs, modify Intra-Service Provider Subscription Versions specifying a due date that is prior to the NPA-NXX Effective Date Error (Note: This error may be caught by either the SOA or NPAC SMS.)		e that is prior to the NPA-NXX Effective Date –

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	none
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.2.3 Subscription Version Modify Prior to Activate Using M-ACTION

9.1.2 ILL 79 Related Test Cases:

A. TEST IDENTITY

Test Case Number:	ILL 79 – 1	Priority:	Conditional
Objective:	SOA – Service Provider Personnel, using their SOA system, where SOA Network Data Download Association Function is set to 'ON', issue a Network Data and Notification Recovery Request by specifying a Time Range – Success		

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	ILL 79 – Notification Recovery
NANC FRS Version Number:	R2.0.0	Relevant Requirement(s):	RR6-29, RR6-30, RR6-31, RR6-32, RR6-33
NANC IIS Version Number:	R2.0.1	Relevant Flow(s):	B.7.2 Sequencing of Events on Initialization/Resynchronization of SOA

Test Case procedures incorporated into test case 187-4 from Release 3.2.

Test Case Number:	ILL 79 - 2	Priority:	Conditional		
Objective:		LSMS – Service Provider Personnel, using their LSMS system, where LSMS Network and			
	Subscription Data Dow	Subscription Data Download Association Function is set to 'ON', issue a Network Data			
	and Notification Recov	and Notification Recovery Request by specifying a Time Range – Success			

B. REFERENCES

	•		
NANC Change		Change Order	ILL 79 – Notification Recovery
Order Revision		Number(s):	, ,
Number:			
NANC FRS	R2.0.0	Relevant	RR6-29, RR6-30, RR6-31, RR6-32, RR6-34
Version Number:		Requirement(s):	, , , , ,
NANC IIS	R2.0.1	Relevant Flow(s):	B.7.1 Sequencing of Events on
Version Number:			Initialization/Resynchronization of LSMS
version Number:			Initialization/Resynchronization of LSMS

Test Case procedures incorporated into test case 187-1 from Release 3.2.

Test Case Number:	ILL 79 - 3	Priority:	Conditional
Objective:	Request specifying a Tim on the NPAC SMS – Erro	e Range that exce	teir SOA system, issue a Notification Recovery eds the Maximum Download Duration Tunable r B.7.3, this flow is not available over the XML

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	ILL 79 – Notification Recovery
NANC FRS Version Number:	R2.0.0	Relevant Requirement(s):	RR6-31
NANC IIS Version Number:	R2.0.1	Relevant Flow(s):	B.7.3 Sequencing of Events on Initialization/Resynchronization of SOA

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated	
Execution	Prerequisite	NPAC	SP Setup	
Time:	Setup Time:	Setup	Time:	
	_	Time:		

D. PREREQUISITE

THEFT	
Prerequisite Test	
Cases:	

D	
Prerequisite NPAC Setup:	 Adjust download duration time to less than one hour (e.g., 30 minutes). While the SOA System is not associated with the NPAC SMS, NPAC personnel
•	2. While the SOA System is not associated with the NPAC SMS, NPAC personnel perform the following functions :
	 Issue the first create for an Inter-Service Provider Subscription Version using an NPA-
	NXX that has never been ported before, on behalf of the Old Service Provider and
	where the Service Provider Under Test is the New Service Provider, let the Initial and
	Final Concurrence timers expire (NPAC SMS issues objectCreation,
	subscriptionVersionNewSP-CreateRequest and
	subscriptionVersionStatusAttributeValueChange(cancel) (SV1)).
	• Issue an Immediate Disconnect for a Subscription Version where the Service Provider
	Under Test is the Donor Service Provider (NPAC SMS issues the
	subscriptionVersionDonorSP-CustomerDisconnectDate and
	subscriptionVersionStatusAttributeValueChange (old) notifications (SV2)).
	• Prior to Disconnecting, Service Provider SOA issued an Audit and then disconnected
	the SOA from the NPAC SMS, the Audit should result in discrepancies (NPAC SMS
	issues the subscriptionAuditDiscrepancyRpt notification, subscriptionAuditResults and
	objectDeletion notifications).
	• Issue an Activate request for an Inter-Service Provider Subscription Version on behalf
	of the New Service Provider (NPAC SMS issues a
	subscriptionVersionStatusAttributeValueChange (partial-failure) notifications (SV3)).
	• Issue a Cancel request for a pending Inter-Service Provider Subscription Version for which both Service Providers have concurred to the pending port, on behalf of the
	New Service Providers, let the Cancellation Initial Concurrence Timer expire (NPAC
	SMS issues the subscription Version Cancellation Acknowledge Request and
	subscription Version Status Attribute Value Change (cancel-pending) notifications (SV4)).
	 Issue a Create request for a range of two pending Subscription Versions that were
	initially created by the New Service Provider, on behalf of the Old Service Provider,
	where the Authorization Flag is set to "False" and the Cause Code is provided (NPAC
	issues a subscriptionVersionStatusAttributeValueChange(conflict) and
	attributeValueChange notifications (SV5 and SV6)).
	• Issue an Activate request for a range of two Inter-Service Provider Subscription
	Versions on behalf of the New Service Provider, where the broadcast to the LSMSs
	goes into a Partial Failure status (NPAC issues a
	subscriptionVersionStatusAttributeValueChange (partial-failure) notification (SV7 and SV8)).
Prerequisite SP Setup:	The Service Provider should 'dis-associate' their SOA to NPAC SMS connection.

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Service Provider Personnel using their SOA System, establish an association to the NPAC SMS with the Resynchronization Flag set to 'ON'.	NPAC	The NPAC SMS receives the association bind request from the SOA. Once the association is established, the NPAC SMS queues all current events.
2.	SP	The SOA issues an M-ACTION Request InpNotificationRecovery to the NPAC SMS to recover Notifications by time range with the criteria set to a Time Range greater than the Maximum Download Duration Tunable on the NPAC SMS.	NPAC	 The NPAC SMS receives the M-ACTION Request from the SOA and determines the request exceeds the Maximum Download Duration Tunable on the NPAC SMS. (this violates system requirements) The NPAC SMS rejects the recovery request. The NPAC SMS issues an M-ACTION Response to the SOA system indicating the request failed due to 'time-range-invalid'.

				4. SOA may retry with smaller time range
3.	NPAC	NPAC Personnel verify the error and no notifications were sent.	NPAC	The 'time-range-invalid' error reply is sent and no notifications were recovered.
4.	SP - Option al	SP Personnel, using the SOA, perform a local query to verify that no notifications were received.	SP	No notifications were received.

Test Case Number:	ILL 79 - 4	Priority:	Conditional		
Objective:		LSMS – Service Provider Personnel, using their LSMS system, issue a Notification			
	Recovery Request specifying a Time Range that exceeds the Maximum Download				
	Duration Tunable on the	NPAC SMS - Err	or		

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	ILL 79 – Notification Recovery
NANC FRS Version Number:	R2.0.0	Relevant Requirement(s):	RR6-31
NANC IIS Version Number:	R2.0.1	Relevant Flow(s):	B.7.1 Sequencing of Events on Initialization/Resynchronization of LSMS

Test Case procedures incorporated into test case 8.4 for Release 3.0.

Test Case Number:	ILL 79 - 5	Priority:	Conditional
Objective:	Download Association Fu specifying a Time Range	unction is set to 'C – Success.	her SOA system, where the SOA Network Data DFF', issue a Notification Recovery Request by his flow is not available over the XML

B. REFERENCES

NANC Change Order Revision		Change Order Number(s):	ILL 79 – Notification Recovery
Number:			
NANC FRS Version Number:	R2.0.0	Relevant Requirement(s):	RR6-29, RR6-30, RR6-31, RR6-32, RR6-33
NANC IIS Version Number:	R2.0.1	Relevant Flow(s):	B.7.3 Sequencing of Events on Initialization/Resynchronization of SOA

C. TIME ESTIMATE

1	TIME EDITION TE			
E	stimated	Estimated	Estimated	Estimated
E	xecution	Prerequisite	NPAC Setup	SP Setup
T	'ime:	Setup Time:	Time:	Time:

D. PREREQUISITE

THERE	THERE		
Prerequisite Test			
Cases:			

Prerequisite	While the SOA is 'dis-associated' from the NPAC SMS, NPAC personnel perform the
NPAC Setup:	following functions:
	1. Issue a create for a new NPA-NXX.
	2. Issue the first create for an Inter-Service Provider Subscription Version using an NPA-
	NXX that has never been ported before, on behalf of the Old Service Provider and
	where the Service Provider Under Test is the New Service Provider, let the Initial and
	Final Concurrence timers expire (NPAC SMS issues objectCreation,
	subscriptionVersionNewNPA-NXX, subscriptionVersionNewSP-CreateRequest and
	subscriptionVersionStatusAttributeValueChange(cancel)NewSP-
	FinalCreateWindowExpiration (SV1)).
	3. Issue an Immediate Disconnect for a Subscription Version where the Service Provider
	Under Test is the Donor Service Provider (NPAC SMS issues the
	subscriptionVersionDonorSP-CustomerDisconnectDate and
	subscriptionVersionStatusAttributeValueChange(old)-notifications (SV2)).
	4. Prior to Disconnecting, Service Provider SOA issued an Audit and then disconnected
	the SOA from the NPAC SMS, the Audit should result in discrepancies (NPAC SMS
	issues the subscriptionAuditDiscrepancyRpt notification, subscriptionAuditResults and objectDeletion notifications).
	 Issue an Activate request for an Inter-Service Provider Subscription Version on behalf
	of the New Service Provider (NPAC SMS issues a
	subscription Version Status Attribute Value Change (partial-failure) notifications (SV3)).
	6. Issue a Cancel request for a pending Inter-Service Provider Subscription Version for
	which both Service Providers have concurred to the pending port, on behalf of the
	New Service Provider, let the Cancellation Initial Concurrence Timer expire (NPAC
	SMS issues the subscriptionVersionCancellationAcknowledgeRequest and
	subscriptionVersionStatusAttributeValueChange(cancel-pending) notifications (SV4)).
	7. Issue a Create request for a range of two pending Subscription Versions that were
	initially created by the New Service Provider, on behalf of the Old Service Provider,
	where the Authorization Flag is set to "False" and the Cause Code is provided (NPAC
	issues a subscriptionVersionStatusAttributeValueChange(conflict) and
	attributeValueChange notifications (SV5 and SV6)).
	8. Issue an Activate request for a range of two Inter-Service Provider Subscription
	Versions on behalf of the New Service Provider, where the broadcast to the LSMSs goes into a Partial Failure status (NPAC issues a
	subscriptionVersionStatusAttributeValueChange (partial-failure) notification (SV7 and
	SV8)).
	NOTE: If the Service Provider under test supports Optional Data information or Medium
	Timer Indicator, include these attribute values in appropriate subscription version requests.
Prerequisite SP	1. Initiate an Audit of a specific Service Provider that results in at least one discrepancy.
Setup:	2. 'The Service Provider should 'dis-associate' their SOA to NPAC SMS connection.
	3. Do NOT send the lnpRecoveryComplete message (step 6) to the NPAC, until AFTER
	the NPAC has exhausted the 3x5 timer for objectCreation (step 5).

L'									
	NPAC or SP	Test Step	NPAC or SP	Expected Result					
1.	SP	Service Provider Personnel using their SOA System, establish an association to the NPAC SMS with the Resynchronization Flag set to 'ON'.	NPAC	The NPAC SMS receives the association bind request from the SOA. Once the association is established, the NPAC SMS queues all current events.					
2	SP	The SOA system issues an M- ACTION Request InpNotificationRecovery to the	NPAC	1. The NPAC SMS receives the M-ACTION Request from the SOA, and issues an M- ACTION Response to the SOA with the					

		NPAC SMS to recover Notifications by time range, with a Time Range of 1 hour or less.		 following notifications for the time range specified, including: objectCreation (SV1) subscriptionVersionNewNPA-NXX (SV1) subscriptionVersion StatusAttributeValueChange NewSP- FinalCreateWindowExpiration (cancel, SV1) subscriptionVersionNewSP- CreateRequest(SV1) subscriptionVersionDonorSP- CustomerDisconnectDate (SV2) subscriptionVersionStatusAttributeValueChange e(SV2) subscriptionAuditDiscrepancyRpt subscriptionAuditResults objectDeletion (for the cancelled audit) InpNPAC SMS Operational Information subscriptionVersionStatusAttributeValueChange e(partial-failure, SV3, failed-SP-List) subscriptionVersionStatusAttributeValueChange e(cancel-pending, SV4) attributeValueChange (SV5 and SV6) subscriptionVersionStatusAttributeValueChange e (conflict, SV5 and SV6) subscriptionVersionStatusAttributeValueChange e (partial-failure, SV7 and SV8) The NPAC SMS returns timer type, business hours, and WSMSC data, if the Service Provider supports that data.
3.	SP	As soon as the M-ACTION Request is received, NPAC personnel issue a create for an Intra-Service Provider Subscription Version for the SOA that is in recovery.	NPAC	 The NPAC SMS receives the SV Create Request and performs the following validations: Verify that each attribute specified is valid according to system requirements. Verify that the Old Service Provider ID is the same as the SPID of the currently active SV or the same as the NPA-NXX Holder.
4.	SP	 NPAC SMS issues an M-CREATE Request to itself to create the subscription VersionNPAC object (subscription version). The subscription version status is set to 'pending'. The subscriptionOldSP- AuthorizationTimeStamp, subscriptionNewSP- AuthorizationTimeStamp, subscriptionCreationTimeStamp and subscriptionModifiedTimeStamp are set. 	NPAC	The NPAC SMS issues an M-CREATE Response to itself.

5	SP	The NPAC SMS checks to see if the M-EVENT-REPORT objectCreation can be sent to the Service Provider SOA.	NPAC	The NPAC SMS does NOT issue the M-EVENT- REPORT objectCreation to the Service Provider SOA, since the SOA is still in recovery mode.
6	SP	The Service Provider's SOA system issues an M-ACTION Request InpRecoveryComplete to the NPAC SMS to set the Recovery Mode to 'OFF'.	NPAC	 The NPAC SMS receives the M-ACTION Request from the SOA system and issues an M- ACTION Response back. The NPAC SMS sees the SOA exit recovery. NPAC sends any queued up events (objectCreation notification from Test Step 5).
7	NPAC	NPAC Personnel verify the notifications were sent to the SOA.	NPAC	All the notifications listed above were successfully sent to the SOA in the M-ACTION reply.
8	SP - Option al	SP Personnel, using the SOA, perform a local query for the network data, and various subscription versions and notifications to verify that they were received.	SP	The appropriate notifications were received.

Test Case	ILL 79 - 6Priority:Conditional								
Number:									
Objective:	Download Association Fu Recovery Request by spec Success	unction is set to 'O cifying a Time Ra	rsonnel, using their SOA system, where SOA Network Data etion is set to 'ON', issue a Network Data and Notification ying a Time Range with a filter on an NPA-NXX that is used – cenario B.7.3, this flow is not available over the XML						

B. REFERENCES

NANC		Change	ILL 79 – Notification Recovery
Change		Order	
Order		Number(s):	
Revision			
Number:			
NANC FRS	R2.0.0	Relevant	RR6-29, RR6-30, RR6-31, RR6-32, RR6-33
Version		Requirement(
Number:		s):	
NANC IIS	R2.0.1	Relevant	B.7.3 Sequencing of Events on
Version		Flow(s):	Initialization/Resynchronization of SOA
Number:			

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated	
Execution	Prerequis	NPAC	SP Setup	
Time:	ite Setup	Setup	Time:	
	Time:	Time:		

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	 While this SOA System is not associated with the NPAC SMS, NPAC personnel perform the following functions: 1) Issue a create for a new NPA-NXX. 2) Create an NPA-NXX filter for the NPA-NXX used for Step 1. 3) Issue a create for a new NPA-NXX. 4) Create and Activate an Intra-Service Provider port using the just created NPA-NXX. (NPAC SMS issues subscriptionVersionNewNPA-NXX, objectCreation and subscriptionVersionStatusAttributeValueChange (active) notifications (SV1)) 5) Activate a pending port where the Service Provider Under Test is the Old Service Provider for an NPA-NXX not filtered for the Service Provider Under Test. (NPAC SMS issues subscriptionVersionStatusAttributeValueChange (active) notification (SV2)).
Prerequisite SP Setup:	'Disassociate' your SOA.

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Service Provider Personnel using their SOA System, establish an association to the NPAC SMS with	NPAC	The NPAC SMS receives the association bind request from the SOA. Once the association is

2.	SP	the Resynchronization Flag set to 'ON'. The SOA issues an M-ACTION Request InpDownload to the NPAC SMS with for a network data download with the criteria set to a specified start time for all service	NPAC	established, NPAC SMS queues all current notifications. The NPAC SMS receives the M-ACTION Request from the SOA, and issues an M-ACTION Response to the SOA which does NOT include the newly created NPA-NXX.
3.	SP	providers, for all network data. The SOA system issues an M- ACTION Request InpNotificationRecovery to the NPAC SMS to recover Notifications by time range, with a Time Range of 1 hour or less.	NPAC	 The NPAC SMS receives the M-ACTION Request from the SOA, and issues an M- ACTION Response to the SOA with the subscriptionVersionStatusAttributeValueChan ge (active) notification. The NPAC SMS returns timer type, business hours, and WSMSC data, if the Service Provider supports that data.
4.	SP	The Service Provider's SOA system issues an M-ACTION Request InpRecoveryComplete to the NPAC SMS to set the Recovery Mode to 'OFF'.	NPAC	 The NPAC SMS receives the M-ACTION Request from the SOA system and issues an M-ACTION Response back. The NPAC SMS sees the SOA exit recovery. NPAC sends any queued up events.
5.	NPAC	NPAC Personnel verify the notifications were sent to the SOA.	NPAC	All the notifications listed above were successfully sent to the SOA in the M-ACTION reply.
6.	SP - Option al	SP Personnel, using the SOA, perform a local query for the network data, and various subscription versions and notifications to verify that they were received.	SP	The appropriate network data, subscription versions, and notifications were received.

Test Case Number:	ILL 79 - 7	Priority:	Conditional
Objective:	Subscription Data Downle and Notification Recovery in place – Success	oad Association F y Request by spec	their LSMS system, where LSMS Network and unction is set to 'ON', issue a Network Data ifying a Time Range with an NPA-NXX filter his flow is not available over the XML

B. REFERENCES

NANC Change Order Revision		Change Order Number(s):	ILL 79 – Notification Recovery				
Number:							
NANC FRS Version Number:	R2.0.0	Relevant Requirement(s):	RR6-29, RR6-30, RR6-31, RR6-32, RR6-34				
NANC IIS Version Number:	R2.0.1	Relevant Flow(s):	B.7.1 Sequencing of Events on Initialization/Resynchronization of LSMS				

C. TIME ESTIMATE

Estimated	I	Estimated		Estimated		Estimated	
Execution	I	Prerequisite		NPAC Setup		SP Setup	
Time:	S	Setup Time:		Time:		Time:	
	Estimated Execution	Estimated I Execution I	Estimated Estimated Execution Prerequisite	Estimated Estimated Execution Prerequisite	EstimatedEstimatedEstimatedExecutionPrerequisiteNPAC Setup	EstimatedEstimatedEstimatedExecutionPrerequisiteNPAC Setup	EstimatedEstimatedEstimatedEstimatedExecutionPrerequisiteNPAC SetupSP Setup

D. PREREQUISITE

TREALQUIDI	
Prerequisite Test	
Cases:	
Prerequisite	While the LSMS is 'dis-associated' from the NPAC SMS, NPAC personnel perform the
NPAC Setup:	following functions:
	• Create an NPA-NXX filter for the NPA-NXX used for Step 2.
	• Issue a create for a new NPA-NXX.
	• Create and Activate an Intra-Service Provider port using the just created NPA-NXX. (NPAC SMS issues subscriptionVersionNewNPA-NXX notification and M-CREATE (SV1))
	• Activate a pending port for an NPA-NXX not filtered for the Service Provider Under
	Test. (NPAC SMS issues M-CREATE (SV2))
Prerequisite SP	The Service Provider LSMS should be 'dis-associated' while NPAC Personnel are
Setup:	performing the set-up specified above.

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Service Provider Personnel, using their LSMS system establish an association to the NPAC SMS with the Resynchronization Flag set to 'ON'	NPAC	The NPAC SMS receives the association bind request from the Service Provider's LSMS system. Once the association is established, the NPAC SMS queues up all events.
2.	SP	The LSMS issues an M-ACTION Request lnpDownload to the NPAC SMS for a network data download with the criteria set to a specified start time for all service providers, for all network data.	NPAC	The NPAC SMS receives the M-ACTION Request from the SOA, and issues an M-ACTION Response to the SOA which does NOT include the newly created NPA-NXX.

-				
3.	SP	The LSMS issues an M-ACTION	NPAC	1. The NPAC SMS receives the M-ACTION
		Request InpDownload to the NPAC		Request from the Service Provider's LSMS
		SMS with a specified start time for		system and issues an M-ACTION Response
		subscription version data download.		with the necessary updates, including the M-
				CREATE Request subscriptionVersion for SV2.
				2. The NPAC SMS returns WSMSC data, if the
				Service Provider supports that data.
4	SP	The LSMS issues an M-ACTION	NPAC	The NPAC SMS receives the M-ACTION Request
		Request InpNotificationRecovery		from the Service Provider's LSMS system and
		with a specified start time for		issues an M-ACTION Response which does not
		notification recovery.		include any notifications.
5.	SP	The LSMS issues an M-ACTION	NPAC	1. The NPAC SMS receives the M-ACTION
		Request InpRecoveryComplete to the		Request from the respective LSMS and issues
		NPAC SMS to set the		an M-ACTION Response.
		resynchronization flag to 'OFF'.		2. The NPAC SMS sees the LSMS exit recovery.
				3. NPAC sends any queued up events.
				(objectCreation notification from Test Step 5).
6.	NPAC	NPAC Personnel verify the	NPAC	All the notifications listed above were successfully
		notifications were sent to the LSMS.		sent to the LSMS in the M-ACTION reply.
7.	SP -	SP Personnel, using the LSMS,	SP	
	Option	perform a local query for the		
	al	subscription version create received.		
8.	NPAC	NPAC Personnel perform a full audit	NPAC	Using the Audit Results Log, verify that no updates
		for the subscription versions		were issued as a result of performing the audit. If
		activated during this test case.		updates were issued, the test case fails.

9.1.3 NANC 22 Related Test Cases:

A. TEST IDENTITY

Test Case Number:	NANC 22-1	Priority:	Conditional
Objective:		SOA – Service Provider Personnel issue a Subscription Version query that exceeds the maximum subscriber query tunable and verifies that the complexity limitation error is returned – Error	

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 22 – IIS Version 1.4 Flow 6.5.6 Modification
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	R4-30.1 R4-30.2
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.6 Subscription Version Query

C. TIME ESTIMATE

Estimated	Estin	nated	Estimated	Estimated	
Execution	Prer	equisite	NPAC Setup	SP Setup	
Time:	Setu	p Time:	Time:	Time:	

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	Verify that there are Subscription Versions that can be queried such that the number of Subscription Versions being queried exceeds the maximum subscriber query tunable.
Prerequisite SP Setup:	

Test Case procedures are incorporated into NANC 285-1, release 3.3 testing.

Test Case Number:	NANC 22-2	Priority:	Conditional	
Objective:			Subscription Version query that exceeds the ifies that the complexity limitation error is	

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 22 – IIS Version 1.4 Flow 6.5.6 Modification
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	R4-30.1 R4-30.2
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.6 Subscription Version Query

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated	
Execution	Prerequisi	te NPAC Setup	SP Setup	
Time:	Setup Time	e: Time:	Time:	

D. PREREQUISITE

IKEREQUISII	
Prerequisite Test Cases:	
Prerequisite NPAC Setup:	Verify that there are Subscription Versions that can be queried such that the number of Subscription Versions being queried exceeds the maximum subscriber query tunable.
Prerequisite SP Setup:	

Test Case procedures are incorporated into NANC 285-2, release 3.3 testing.

9.1.4 NANC 23 Related Test Cases:

A. TEST IDENTITY

Test Case Number:	NANC 23-1	Priority:	Conditional			
Objective:	SOA – Service Provider Personnel create an audit using another Service Provider's ID – Error					

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 23 - IIS Version 1.4 Flow 6.2.1 Modification
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	N/A
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.2.1 – SOA Initiated Audit

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated			
Execution	Prerequisite	NPAC Setup	SP Setup			
Time:	Setup Time:	Time:	Time:			

D. PREREQUISITE

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Prerequisite Test	
Cases:	
Prerequisite NPAC Setup:	
i i i i o betupi	
Prerequisite SP	
Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Service Provider personnel issue an audit for Subscription Versions using another Service Provider's ID as the audit requestor.	SP	The SOA issues an M-CREATE Request in CMIP (or ACRQ – AuditCreateRequest in XML) for subscriptionAudit to the NPAC SMS with the subscriptionAuditRequestingSP set to another service provider id.
2.	NPAC	The NPAC SMS accepts the M- CREATE Request in CMIP (or ACRQ – AuditCreateRequest in XML) from the Service Provider.	NPAC	 The NPAC SMS determines that the subscriptionAuditRequestingSP for the subscriptionAudit is set to a value other than the service provider id specified in the access, this violates system requirements. The NPAC SMS issues an M-CREATE error response in CMIP (or ACRR – AuditCreateReply in XML).
3.	SP	The SOA receives the M-CREATE Error Response in CMIP indicating a processingFailure error (or ACRR – AuditCreateReply in XML).	SP	The audit was not initiated.
4.	NPAC	NPAC Personnel query for the audit to verify that it was not created.	NPAC	The audit was not created.

5.	SP – conditi onal	Service Provider Personnel, using the SOA/SOA LTI, perform an NPAC query for the audit to verify that it was not created.	SP	The audit was not created.
6.	SP - option al	Service Provider Personnel, using their SOA, perform a local query for the audit to verify that it was not created.	SP	The audit was not created.

9.1.5 NANC 48 Related Test Cases:

A. TEST IDENTITY

Test Case	NANC 48-1	Priority:	Required			
Number:			1			
Objective:	NPAC OP GUI – NPAC Personnel assign an 'Associated' Service Provider ID to a					
	'Primary' Service Provide	er ID – Success				

B. REFERENCES

KEI EKENCES			
NANC Change Order Revision Number:		Change Order Number(s):	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	RR3-16, RR3-18, RR3-19
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	N/A

C. TIME ESTIMATE

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	Estimated	Estimated	Estimated	Estimated			
	Execution	Prerequisite	NPAC Setup	SP Setup			
	Time:	Setup Time:	Time:	Time:			

D. PREREQUISITE

Induction	
Prerequisite Test	
Cases:	
Prerequisite NPAC Setup:	Verify that at least two Service Provider Profiles exist on the NPAC SMS (SPID 'A' and SPID 'B') that currently do not have another Service Provider associated to them for Service Bureau functionality.
Prerequisite SP Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	Using the NPAC OP GUI, NPAC Personnel assign/associate one Service Provider Profile to another (SPID 'B' is assigned/associated to SPID 'A').	NPAC	 The NPAC SMS verifies that both Service Provider Profiles exist on the NPAC SMS. The NPAC SMS verifies that Service Provider 'B' is not already specified as either a 'Primary' or 'Associated' Service Provider. The NPAC SMS verifies that this is a valid request and associates the two Service Providers in the Multiple Association Table on the NPAC SMS.
2.	NPAC	NPAC Personnel query for SPID 'A's' Service Provider Profile which they have just assigned/associated as a 'Primary' Service Provider to SPID 'B'.	NPAC	Verify that SPID 'A's' Service Provider Profile is now indicated as a 'Primary' Service Provider ID.
3.	NPAC	NPAC Personnel query for SPID 'B's' Service Provider Profile which they have just assigned/associated as an 'Associated' Service Provider to SPID 'A'.	NPAC	Verify that SPID 'B's' Service Provider Profile is now indicated as an 'Associated' Service Provider ID to SPID 'A'.

Test Case Number:	NANC 48-2	PRIORITY:	Conditional
Objective:	to operate in this region, one other SPID 'D' – ne configured with their SC LSMS Network and Sub 'ON', SPID 'A' and SPI Association Function Inc	1 'Primary' SPI ither Primary or OA Network Data oscription Data D D 'C' is configu <u>dicator</u> set to 'Ol	LRN (at least 4 Service Providers are configured D ('A'), 2 'Associated' SPIDs ('B' and 'C') and Associated) SPID 'B', and SPID 'D' are a Download Association Function-Indicator and Download Association Function-Indicator set to red with their SOA Network Data Download FF' and their LSMS Network and Subscription dicator is set to 'ON' - Success

B. REFERENCES

THE LINE OLD			
NANC Change Order Revision Number:		CHANGE ORDER NUMBER(S):	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	RR3-26, RR3-2
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.4.2.2 LRN Creation by the SOA

C. TIME ESTIMATE

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	Estimated	Estimate	ed	Estimated		Estimated	
	Execution	Prerequi	isite	NPAC Setup		SP Setup	
	Time:	Setup Ti	me:	Time:		Time:	

D. PREREQUISITE

Prerequisite Test	
Cases:	
Prerequisite NPAC Setup:	 Verify that SPID 'B', and SPID 'C' exist on the NPAC SMS as 'Associated' SPIDs to Service Provider 'A'. Verify that SPID 'D' exist on the NPAC SMS – not a 'Primary' or 'Associated' SPID. Verify that SPID 'B' and SPID 'D' Profiles are configured with the SOA Network Data Download Association Function Indicator and the LSMS Network and Subscription Data Download Association Function Indicator set to 'ON'. Verify that SPID 'A' and SPID 'C' Profiles are configured with the SOA Network Data Download Association Function Indicator set to 'ON'. Verify that SPID 'A' and SPID 'C' Profiles are configured with the SOA Network Data Download Association Function Indicator set to 'OFF' and the LSMS Network and Subscription Data Download Association Function Function Indicator set to 'OFF' and the LSMS Network and Subscription Data Download Association Function Indicator Set to 'ON'. Verify that the LRN does not exist on the NPAC SMS for which SPID 'B' is going to create a respective Subscription Version.
Prerequisite SP Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using a SOA System, Service Provider 'B' Personnel submit a request to the NPAC SMS to create an LRN which does not already exist on the NPAC SMS. The 'Primary' SPID 'A' SOA issues an M-CREATE Request serviceProvLRN in CMIP (or LRCQ	NPAC	 The NPAC SMS receives the Request for the LRN from the 'Primary' SPID ('A') for 'Associated' SPID 'B' (via SPID 'A's' SOA association). The NPAC SMS verifies that the Service Provider creating the LRN information is the same as the Service Provider that owns the network data.

		– LrnCreateRequest in XML) to the NPAC SMS, on behalf of SPID 'B'.		 The NPAC SMS issues an M-CREATE Response in CMIP (or LRCR – LrnCreateReply in XML) back to 'Associated' SPID 'B' under the 'Primary' SPID 'A' association.
2.	NPAC	 The NPAC SMS sends an M- CREATE in CMIP (or LRCD – LrnCreateDownload in XML) for the serviceProvLRN object to all LSMSs that have their LSMS Network and Subscription Data Download <u>Association Function Indicator</u> 'ON'. (SPID 'A', 'B', 'C' and 'D' in this scenario.) The NPAC SMS sends an M- CREATE in CMIP (or LRCD – LrnCreateDownload in XML) for the serviceProvLRN object to all SOAs that have their SOA Network Data Download <u>Association Function Indicator</u> 'ON'. (SPID 'B', and 'D' in this scenario.) 	SP	 All LSMSs in the region that are accepting downloads for the serviceProvNPA-NXX issue an M-CREATE Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. All SOAs in the region that are accepting downloads for the serviceProvNPA-NXX issues an M-CREATE Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS.
3.	SP option al	Service Provider 'A' Personnel query their local SOA and LSMS system for the LRN that was just created by SPID 'B' Service Provider Personnel.	SP	 Verify that the LRN DOES NOT exist on your local SOA system. Verify that the LRN DOES exist on your local LSMS system and belongs to Service Provider 'B'.
4.	SP option al	Service Provider 'B' Personnel query their local SOA and LSMS system for the LRN that SPID 'B' Service Provider Personnel just created on the NPAC SMS.	SP	Verify that the LRN exists on your local SOA and LSMS systems, and belongs to Service Provider 'B'.
5.	SP option al	Service Provider 'C' Personnel query their local SOA and LSMS system for the LRN that was just created by SPID 'B' Service Provider Personnel.	SP	 Verify that the LRN DOES NOT exist on your local SOA system. Verify that the LRN DOES exist on your local LSMS system and belongs to Service Provider 'B'.
6.	SP option al	Service Provider 'D' Personnel query their local SOA and LSMS system for the LRN that was just created by SPID 'B' Service Provider Personnel.	SP	Verify that the LRN exists on both your local SOA and LSMS systems, and belongs to Service Provider 'B'.

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Test Case	NANC 48-3	PRIORITY:	Conditional				
Number:							
Objective:	NPAC OP GUI – NPAC Personnel create a Service Provider Profile for a New Service						
	Provider in a region wher	e 'Primary' and 'A	Associated' Service Providers exist. (At least 4				
	Service Providers are con	figured to operate	in this region, 1 'Primary' SPID ('A'), 2				
	'Associated' SPIDs ('B' and 'C') and one other SPID 'D' (neither Primary or Associated).						
	SPID 'B', and SPID 'D' are configured with their SOA Network Data Download						
			and their LSMS Network and Subscription Data				
	Download Association Function Indicator set to 'ON'. SPID 'A' and SPID 'C' are						
	configured with their SOA Network Data Download Association Function Indicator set to						
	'OFF'. SPID 'A's' LSMS Network and Subscription Data Download Association						
	Function-Indicator is set to 'OFF'. SPID 'C's' LSMS Network and Subscription Data						
	Download Association Fu	inction <u>Indicator</u> i	s set to 'ON' – Success				

B. REFERENCES

NANC Change Order Revision Number:		CHANGE ORDER NUMBER(S):	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	RR3-26
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.3.1 Service Provider Creation by the NPAC

C. TIME ESTIMATE

Estimated		Estimated		Estimated		Estimated	
Execution		Prerequisite		NPAC Setup		SP Setup	
Time:		Setup Time:		Time:		Time:	

D. **PREREQUISITE**

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	 Verify that SPID 'B', and SPID 'C' exist on the NPAC SMS as 'Associated' SPIDs to Service Provider 'A'. Verify that SPID 'D' exist on the NPAC SMS – not a 'Primary' or 'Associated' SPID. Verify that SPID 'B' and SPID 'D' Profiles are configured with the SOA Network Data Download Association Function Indicator set to 'ON' and their LSMS Network and Subscription Data Download Association Function Indicator set to 'ON'. Verify that SPID 'A' and SPID 'C' Profiles are configured with the SOA Network Data Download Association Function Indicator set to 'ON'. Verify that SPID 'A' and SPID 'C' Profiles are configured with the SOA Network Data Download Association Function Indicator set to 'OFF'. Verify that SPID 'A' is configured with an LSMS Network and Subscription Data Download Association Function Indicator set to 'OFF'. Verify that SPID 'C' is configured with an LSMS Network and Subscription Data Download Association Function Indicator set to 'OFF'. Verify that SPID 'C' is configured with an LSMS Network and Subscription Data Download Association Function Indicator set to 'OFF'. Verify that SPID 'C' is configured with an LSMS Network and Subscription Data Download Association Function Indicator set to 'ON'. Verify that the Service Provider Profile that you are going to create DOES NOT already exist on the NPAC SMS.
Prerequisite SP Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
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1.	NPAC	 Using the NPAC OP GUI, NPAC Personnel create a New Service Provider on the NPAC SMS. The NPAC SMS issues an M- CREATE Request serviceProv to itself. 	NPAC	 The NPAC SMS verifies that the serviceProv object does not already exist. The NPAC SMS issues an M-CREATE Response serviceProv to itself.
2.	NPAC	The NPAC SMS issues an M- CREATE Request serviceProvNetwork to itself in order to create the Service Provider object.	NPAC	The NPAC SMS issues an M-CREATE serviceProvNetwork Response to itself indicating the Service Provider object was successfully created on the NPAC SMS.
3.	NPAC	 The NPAC SMS issues an M- CREATE Request in CMIP (or SPCD – SpidCreateDownload in XML) for the serviceProvNetwork object to each LSMS in the region that is configured with an LSMS Network Data Download Indicator set to 'ON'. The NPAC SMS issues an M- CREATE Request in CMIP (or SPCD – SpidCreateDownload in XML) for the serviceProvNetwork object to each SOA in the region that is configured with a SOA Network Data Download Association Function-Indicator set to 'ON'. 	SP	 Each LSMS in the region that is configured to accept this Network Data, receives the NPAC SMS broadcast and issues an M-CREATE Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. Each SOA in the region that is configured to accept this Network Data, receives the NPAC SMS broadcast and issues an M-CREATE Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS.
4.	NPAC	NPAC Personnel query for the Service Provider Profile that was just created on the NPAC SMS.	NPAC	 Verify that the Service Provider Profile exists on the NPAC SMS. Verify that the SPID is not indicated as either a 'Primary' or 'Associated' SPID.
5.	SP option al	Service Provider 'A' Personnel query for the Service Provider Profile that was just created on the NPAC SMS on their local SOA and LSMS systems.	SP	 Verify that the Service Provider Profile that was just created on the NPAC SMS DOES NOT exist on your SOA system. Verify that the Service Provider Profile that was just created on the NPAC SMS DOES NOT exist on your LSMS system.
6.	SP option al	Service Provider 'B' Personnel query for the Service Provider Profile that was just created on the NPAC SMS on their local SOA and LSMS systems.	SP	 Verify that the Service Provider Profile that was just created on the NPAC SMS exists on your SOA system. Verify that the Service Provider Profile that was just created on the NPAC SMS exists on your LSMS system.
7.	SP option al	Service Provider 'C' Personnel query for the Service Provider Profile that was just created on the NPAC SMS on their local SOA and LSMS systems.	SP	 Verify that the Service Provider Profile that was just created on the NPAC SMS DOES NOT exist on your SOA system. Verify that the Service Provider Profile that was just created on the NPAC SMS exists on your LSMS system.

8.	SP option al	Service Provider 'D' Personnel query for the Service Provider Profile that was just created on the NPAC SMS on their local SOA and LSMS systems.	SP	Verify that the Service Provider Profile that was just created on the NPAC SMS exists on both your SOA and LSMS systems.
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Test Case Number:	NANC 48 – 4	Priority:	Required
Objective:	NPAC OP GUI – NPAC Personal verify that a Service Provider that is functioning		
	properly as neither a Primary nor Associated SPID can function properly as an Associated		
	SPID, be dis-associated from its Primary SPID and again function properly as neither a		
	Primary nor Associated S	PID	

B. REFERENCES

REFERENCES			
NANC Change Order Revision Number:		Change Order Number(s):	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	N/A
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	 B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider) B.5.1.5 Subscription Version Activated by New Service Provider SOA B.5.1.6 Active SubscriptionVersion Create on Local SMS

C. TIME ESTIMATE

Estimated		Estimated		Estimated	Estimated	
Execution		Prerequisite		NPAC Setup	SP Setup	
Time:		Setup Time:		Time:	Time:	

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	 Verify that at least 4 Service Providers are configured on the NPAC SMS. Verify that SPID 'A' exists as a 'Primary' SPID, and is configured with SOA and LSMS Network Data Download Indicators set to 'ON'. SPID 'A' has filters set such that they will receive downloads for this NPA-NXX. Verify that SPID 'B' is configured as a 'regular' Service Provider – neither an 'Associated' nor a 'Primary' Service Provider. Verify SPID 'B' is configured with SOA and LSMS Network Data Download
	 Verify SFID' D' is configured with SOA and ESNIS Network Data Download Indicators set to 'ON'. SPID 'B' has filters set such that they will receive downloads for this NPA-NXX. Verify that SPID 'C' is an 'Associated' SPID to SPID 'A'. Verify SPID 'C' is configured with a SOA Network Data Download Association Function-Indicator set to 'OFF' and an LSMS Network and Subscription Data Download Association Function-Indicator set to 'ON'. SPID 'C' has a filter set in order to NOT receive downloads for the NPA-NXX you are going to specify in the SV Create.
	 Verify that SPID 'D' is configured on the NPAC SMS as neither a 'Primary' nor an 'Associated' SPID and SOA Network Data Download Association Function Indicator and LSMS Network and Subscription Data Download Association Function Indicator set to 'ON'. Verify that SPID 'D' has filters set such that they will receive downloads for this NPA- NXX. Verify that there have not been any ports against this NPA-NXX for which you are going to create an Inter-SP Subscription Version.

Prerequisite SP Setup:

E.	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	 SPID 'B', as a 'regular' New Service Provider (neither an 'Associated' nor a 'Primary' Service Provider) submits a valid Inter-service Provider Subscription Version Create in CMIP (or NCRQ – NewSpCreateRequest in XML) with SPID 'A' as the Old Service Provider. SPID 'A' concurs to the NewSPCreate. 	NPAC	The NPAC SMS successfully creates a 'pending' Subscription Version and sends an action reply in CMIP (or NCRR – NewSpCreateReply in XML) with success or failure and reasons for failure.
2.	NPAC	The NPAC SMS sends an M- EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the Old and New Service Provider SOAs.	SP	The Old and New Service Provider SOA each issue an M-EVENT-REPORT Confirmation success in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
3.	SP	SPID 'B' issues an M-ACTION Request subscriptionVersionActivate in CMIP (or ACTQ – ActivateRequest in XML) to the NPAC SMS for the Subscription Version created in Test Step 1.	NPAC	The NPAC SMS sets the Subscription Version status to 'sending' and responds with an M-ACTION in CMIP (or ACTR – ActivateReply in XML.
4.	NPAC	The NPAC SMS issues an M- CREATE Request subscriptionVersion in CMIP (or SVCD – SvCreateDownload in XML) to all LSMSs in the region that are accepting downloads for the NPA-NXX of the TN used in the Subscription Version.	SP	 All LSMSs that are accepting downloads for the NPA-NXX of the TN used in the Subscription Version respond in CMIP (or DNLR – DownloadReply in XML) successfully. The NPAC SMS sets the Subscription Version status to 'active'.
5.	NPAC	The NPAC SMS issues an M- EVENT-REPORT subscription VersionStatusAttributeV alueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old and New Service Provider SOAs.	SP	The Old and New Service Provider SOAs each issue an M-EVENT-REPORT Confirmation success in CMIP (or NOTR – NotificationReply in XML to the NPAC SMS.
6.	NPAC	NPAC Personnel associate SPID 'B' to Primary SPID 'A'.	NPAC	Verify that SPID 'B' now exists as an 'Associated' SPID of Primary SPID 'A'.
7.	SP	 SPID 'B', as an 'Associated' New Service Provider of SPID 'A' submits a valid Inter-service Provider Subscription Version Create in CMIP (or NCRQ – NewSpCreateRequest in XML) 	NPAC	The NPAC SMS successfully creates a 'Pending' Subscription Version and sends an action reply in CMIP (or NCRR – NewSpCreateReply in XML) with success or failure and reasons for failure.

	-			
		with SPID 'A' as the Old		
		Service Provider.		
		2. SPID 'A' concurs to the		
		NewSPCreate.		
8.	NPAC	The NPAC SMS sends an M- EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the Old and New Service Provider SOAs.	SP	The Old and New Service Provider SOA each issue an M-EVENT-REPORT Confirmation success in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
9.	SP	SPID 'B' issues an M-ACTION	NPAC	The NPAC SMS sets the Subscription Version status
		Request subscriptionVersionActivate in CMIP (or ACTQ – ActivateRequest in XML) to the NPAC SMS for the Subscription Version created in Test Step 7.		to 'sending' and responds with an M-ACTION in CMIP (or ACTR – ActivateReply in XML.
10.	NPAC	The NPAC SMS issues an M- CREATE Request subscriptionVersion in CMIP (or SVCD – SvCreateDownload in XML) to all LSMSs in the region that are accepting downloads for the NPA-NXX of the TN used in the Subscription Version.	SP	 All LSMSs that are accepting downloads for the NPA-NXX of the TN used in the Subscription Version respond in CMIP (or DNLR – DownloadReply in XML) successfully. The NPAC SMS sets the Subscription Version status to 'active'.
11.	NPAC	The NPAC SMS issues an M- EVENT-REPORT subscription VersionStatusAttributeV alueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old and New Service Provider SOAs.	SP	The Old and New Service Provider SOAs each issue an M-EVENT-REPORT Confirmation success in CMIP (or NOTR – NotificationReply in XML to the NPAC SMS.
12.	NPAC	NPAC Personnel dis-associate SPID 'B' from Primary SPID 'A'.	NPAC	Verify that SPID 'B' no longer exists as an 'Associated' SPID of Primary SPID 'A'.
13.	SP	 SPID 'B', as a 'regular' New Service Provider (neither an 'Associated' nor a 'Primary' Service Provider) submits a valid Inter-service Provider Subscription Version Create in CMIP (or NCRQ – NewSpCreateRequest in XML) with SPID 'A' as the Old Service Provider. SPID 'A' concurs to the NewSPCreate. 	NPAC	The NPAC SMS successfully creates a 'Pending' Subscription Version and sends an action reply in CMIP (or NCRR – NewSpCreateReply in XML) with success or failure and reasons for failure.
14.	NPAC	The NPAC SMS sends an M- EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the Old and New Service Provider SOAs.	SP	The Old and New Service Provider SOA each issue an M-EVENT-REPORT Confirmation success in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
15.	SP	SPID 'B' issues an M-ACTION Request subscriptionVersionActivate in CMIP (or ACTQ – ActivateRequest in XML) to the	NPAC	The NPAC SMS sets the Subscription Version status to 'sending' and responds with an M-ACTION in CMIP (or ACTR – ActivateReply in XML.

		NPAC SMS for the Subscription		
		Version created in Test Step 13.		
16.	NPAC	The NPAC SMS issues an M- CREATE Request subscriptionVersion in CMIP (or SVCD – SvCreateDownload in XML) to all LSMSs in the region that are accepting downloads for the NPA-NXX of the TN used in the Subscription Version.	SP	 All LSMSs that are accepting downloads for the NPA-NXX of the TN used in the Subscription Version respond in CMIP (or DNLR – DownloadReply in XML) successfully. The NPAC SMS sets the Subscription Version status to 'active'.
17.	NPAC	The NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttributeV alueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old and New Service Provider SOAs.	SP	The Old and New Service Provider SOAs each issue an M-EVENT-REPORT Confirmation success in CMIP (or NOTR – NotificationReply in XML to the NPAC SMS.
18.	NPAC	NPAC Personnel perform a query for the three Subscription Versions that were created and activated.	NPAC	The three Subscription Versions exist with a status of 'Active'.
19.	SP – conditi onal	SP Personnel, using either their SOA or SOA LTI, perform an NPAC query for the three Subscription Versions that were created and activated.	SP	The three Subscription Versions exist with a status of 'Active'.
20.	SP- option al	Service Provider Personnel perform a local query for the three Subscription Versions that were created and activated.	SP	The three Subscription Versions exist with a status of 'Active'.
21.	NPAC	NPAC Personnel perform a full audit for the TNs associated with the Subscription Versions that were manipulated during this test case.	NPAC	Using the Audit Results Log verify that no updates were issued as a result of performing the audit. If any updates were made, the LSMS fails this test case.

Test Case Number:	NANC 48-5	Priority:	Conditional
Objective:	SOA to NPAC Interface t SPIDs- Success	to recover message	el, initiate Notification Recovery over their es for both their 'Primary' and 'Associated' B.7.3, this flow is not available over the XML

B. REFERENCES

KEI EKEIVEED			
NANC Change Order Revision Number:		Change Order Number(s):	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	RR3-28, RR3-29
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.7.3 Sequencing of Events on Initialization/Resynchronization of SOA

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated	
Execution	Prerequisite	NPAC Setup	SP Setup	
Time:	Setup Time:	Time:	Time:	

D. PREREQUISITE

Prerequisite Test	NANC 48-1 NPAC OP GUI – NPAC Personnel assign an 'Associated' Service Provider
Cases:	ID to a 'Primary Service Provider ID – Success

Prerequisite NPAC Setup:	1. Verify that SPID 'B' is established as an 'Associated' SPID (to SPID 'A') on the NPAC SMS with a SOA Network Data Download Association Function Indicator set to 'OFF'.
	 Verify that SPID 'C' is established as an 'Associated' SPID (to SPID 'A') on the NPAC SMS with SOA Network Data Download Association Function Indicator set to
	 'ON'. Verify that SPID 'A' is established as a 'Primary' SPID on the NPAC SMS with SOA Network Data Download Association Function Indicator set to 'OFF'.
	 4. Verify that all LSMSs in the region are properly associated to the NPAC SMS. 5. While SPID 'A', SPID 'B', and SPID 'C' do not have an association with the NPAC SMS, NPAC Personnel perform the following functions via the NPAC OP GUI: Issue an Old Service Provider Subscription Version Create (SV1) using an NPA-NXX which has never been ported before and where SPID 'B' is the Old Service Provider and SPID 'A' is the New Service Provider – let the timers expire.
	 (objectCreation for SV1) (subscriptionVersionNewSP-Concurrence Request for SV1) (subscriptionVersionNewSP-Final Concurrence Window Expiration for SV1) <u>(subscriptionVersionStatusAttributeValueChange setting SV1 to 'cancelled')</u> (subscriptionVersionNewNPA-NXX for SV1) Issue a Subscription Version Disconnect (SV2) where SPID 'B' is the Donor Service Provider and SPID 'C' is the Current Service Provider. (subscriptionVersionDonorSPCustomerDisconnectDate for SV2) (subscriptionVersionStatusAttributeValueChange setting SV2 to 'old') Issue an Activate for a pending Subscription Version (SV3) for which both the Old and New SP have concurred and Service Provider 'B' is the New Service Provider and Service Provider 'C' is the Old Service Provider. (subscriptionVersionStatusAttributeValueChange setting SV3 to 'active') Issue a Scheduled Downtime Notification. (InpNPAC SMS OperationalInformation)
	 Issue a New Service Provider Subscription Version Create (SV4) where SPID 'B' is the New Service Provider and SPID 'C' is the Old Service Provider – let the timers expire. (objectCreation for SV4) (subscriptionVersionOldSP-Concurrence Request for SV4) (subscriptionVersionOldSP-Final Concurrence Window Expiration for SV4)
	NOTE: If the Service Provider under test supports Optional Data information or Medium Timer Indicator, include these attribute values in appropriate subscription version requests.
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using a SOA System, SPID 'A' Service Provider Personnel establish an association to the NPAC SMS with the Resynchronization Flag set to 'ON'.	NPAC	The NPAC SMS receives the association bind request from the SOA and queries all current notifications.
2.	SP	SPID 'A's' SOA issues an M- ACTION Request InpNotificationRecovery to the NPAC SMS for (Primary) SPID 'A' indicating a time range of one hour or less.	NPAC	The NPAC SMS receives the M-ACTION Request from the SOA.

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3.	NPAC	 The NPAC SMS issues an M- ACTION Response to the SPID 'A's' SOA with the following information for (Primary) SPID 'A': objectCreation for SV1 subscriptionVersionNewSP- Concurrence Request for SV1 subscriptionVersionNewSP- Final Concurrence Window Expiration for SV1 	SP	The SOA receives the M-ACTION Response from the NPAC SMS.
		 Expiration for SV1 subscriptionVersionStatusAttrib uteValueChange for SV1 updating the SV status to 'cancelled' lnpNPAC-SMS-Operational- Information 		
4.	SP	SPID 'A's' SOA issues an M- ACTION Request InpNotificationRecovery to the NPAC SMS for (Associated) SPID 'B' indicating a time range of one hour or less.	NPAC	The NPAC SMS receives the M-ACTION Request from the SOA.
5.	NPAC	 The NPAC SMS issues an M-ACTION Response to the SPID 'A's' SOA with the following information for (Associated) SPID 'B': objectCreation for SV1 subscriptionVersionStatusAttrib uteValueChange for SV1 updating the SV status to 'cancelled' subscriptionVersionDonorSPCus tomerDisconnectDate for SV2 subscriptionVersionStatusAttrib uteValueChange for SV3 updating the SV status to 'active' InpNPAC-SMS-Operational-Information objectCreation for SV4 NOTE: If the Service Provider under test supports Medium Timer Indicator or Optional Data information and these attributes were included in the requests that initiated notifications, these attributes will be included in the appropriate notifications. 	SP	The SOA receives the M-ACTION Response from the NPAC SMS.
6.	SP	SPID 'A's' SOA issues an M- ACTION Request InpNotificationRecovery to the NPAC SMS for (Associated) SPID	NPAC	The NPAC SMS receives the M-ACTION Request from the SOA.

		'C' indicating a time range of one		
7.	NPAC	 hour or less. The NPAC SMS issues an M-ACTION Response to the SPID 'A's' SOA with the following information for (Associated) SPID 'C': subscription VersionStatusAttrib ute ValueChange for SV3 updating the SV status to 'active' lnpNPAC-SMS-Operational-Information subscriptionStatusAttributeValu eChange setting SV3 to 'old' objectCreation for SV4 subscriptionVersionOldSP- ConcurrenceRequest for SV4 subscriptionVersionOldSP- FinalConcurrenceWindowExpira tion for SV4 NOTE: If the Service Provider under test supports Medium Timer Indicator or Optional Data information and these attributes were included in the requests that initiated notifications, these attributes will be included in the appropriate notifications. 	SP	The SOA receives the M-ACTION Response from the NPAC SMS.
8.	SP	The SOA System (SPID 'A') issues an M-ACTION Request InpRecoveryComplete to the NPAC SMS to set the Recovery Mode to 'OFF'.	NPAC	 The NPAC SMS receives the M-ACTION Request from the SOA and issues an M- ACTION Response back. The NPAC SMS sees the SOA exist recovery. The NPAC SMS sends any data updates since the SOA re-established.
9.	SP option al	SPID 'B' Service Provider Personnel perform a local query for the objectCreation message for SV1.	SP	Verify that you received the objectCreation message for SV1 on your local system. NOTE: If the Service Provider under test supports Medium Timer Indicator or Optional Data information and these attributes were included in the requests that initiated notifications, these attributes will be included in the appropriate notifications.
10.	SP option al	SPID 'B' Service Provider Personnel perform a local query for the subscriptionVersionAttributeValueC hange message for SV1.	SP	Verify that you received the subscriptionVersionAttributeValueChange message for SV1 on your local system.
11.	SP option al	SPID 'A' Service Provider Personnel perform a local query for the objectCreation message for SV1.	SP	Verify that you received the objectCreation message for SV1 on your local system. NOTE: If the Service Provider under test supports Medium Timer Indicator or Optional Data information and these attributes were included in the requests that initiated notifications, these attributes will be included in the appropriate notifications.

12.	CD	CDID (A) Consistent Date i den Demonstra	CD	Mr. 10 distance service didition
+2.	SP option al	SPID 'A' Service Provider Personnel perform a local query for the subscriptionVersionAttributeValueC hange message for SV1.	SP	Verify that you received the subscriptionVersionAttributeValueChange message for SV1 on your local system.
13.	SP option al	SPID 'A' Service Provider Personnel perform a local query for the subscriptionVersionNewSP- Concurrence Request message for SV1.	SP	Verify that you received the subscriptionVersionNewSP-Concurrence Request message for SV1 on your local system.
14.	SP option al	SPID 'A' Service Provider Personnel perform a local query for the subscriptionVersionNewSP-Final Concurrence Window Expiration message for SV1.	SP	Verify that you received the subscriptionVersionNewSP-Final Concurrence Window Expiration message for SV1 on your local system.
15.	SP option al	SPID 'B' Service Provider Personnel perform a local query for a DonorSP- CustomerDisconnectDate notification for SV2.	SP	Verify that you have the notification for Donor Disconnect Date for SV2.
16.	SP option al	SPID 'C' Service Provider Personnel perform a local query for the subscriptionVersionStatusAttributeV alueChange message for SV2.	SP	Verify that you received the subscriptionVersionStatusAttributeValueChange message for SV2 on your local system.
17.	SP option al	SPID 'B' Service Provider Personnel perform a local query for the subscriptionVersionStatusAttributeV alueChange message for SV3.	SP	Verify that you received the subscriptionVersionStatusAttributeValueChange message for SV3 on your local system.
18.	SP option al	SPID 'C' Service Provider Personnel perform a local query for the subscriptionVersionStatusAttributeV alueChange message for SV3.	SP	Verify that you received the subscriptionVersionStatusAttributeValueChange message for SV3 on your local system.
19.	SP option al	SPID 'A' Service Provider Personnel perform a local query for InpNPAC- SMS Operational Information notification.	SP	Verify that you received the notification for scheduled downtime.
20.	SP option al	SPID 'B' Service Provider Personnel perform a local query for InpNPAC- SMS Operational Information notification.	SP	Verify that you received the notification for scheduled downtime.
21.	SP option al	SPID 'C' Service Provider Personnel perform a local query for InpNPAC- SMS Operational Information notification.	SP	Verify that you received the notification for scheduled downtime.
22.	SP option al	SPID 'B' Service Provider Personnel perform a local query for the objectCreation message for SV4.	SP	Verify that you received the objectCreation message for SV4.
23.	SP option al	SPID 'C' Service Provider Personnel perform a local query for the objectCreation message for SV4.	SP	Verify that you received the objectCreation message for SV4.
24.	SP option al	SPID 'C' Service Provider Personnel perform a local query for the subscriptionVersionOldSP- Concurrence Request message for SV4.	SP	Verify that you received the subscriptionVersionOldSP-Concurrence Request message for SV4.

25.	SP option	SPID 'C' Service Provider Personnel perform a local query for	SP	Verify that received the subscriptionVersionOldSP- FinalConcurrenceExpirationWindow message for
	al	subscriptionVersionOldSP-		SV4.
		FinalConcurrenceExpirationWindow		
		message for SV4.		

Test Case Number:	NANC 48-6	Priority:	Conditional
INUMDER:			
Objective:	configured to operate in th 'C') and one other SPID ' SPID 'D' are configured y Indicator and LSMS Netw Indicator set to 'ON', SPI Association Function Indi	his region, 1 'Prim D' – neither Prim with their SOA Ne vork and Subscrip D 'C' is configure icator set to 'ON' metion Indicator i	PA-NXX (at least 4 Service Providers are hary' SPID ('A'), 2 'Associated' SPIDs ('B' and ary or Associated) SPID 'B', SPID 'A', and etwork Data Download Association Function tion Data Download Association Function ed with their SOA Network Data Download and their LSMS Network and Subscription Data s set to 'OFF' (Some SPs in the region have

B. REFERENCES

 REI EREI (CED			
NANC Change Order Revision Number:		Change Order Number(s):	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	RR3-26, RR3-27, RR3-2
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B4.1.5 NPA-NXX Creation by the SOA

C. TIME ESTIMATE

•								
	Estimated		Estimated		Estimated	Estimated		
	Execution		Prerequisite		NPAC Setup	SP Setup		
	Time:		Setup Time:		Time:	Time:		

D. PREREQUISITE

Prerequisite Test	
Cases:	
Prerequisite NPAC Setup:	1. Verify that SPID 'B', and SPID 'C' exist on the NPAC SMS as 'Associated' SPIDs to Service Provider 'A'.
	2. Verify that SPID 'D' exist on the NPAC SMS – as neither a 'Primary' or 'Associated SPID.
	3. Verify that SPID 'B', SPID 'A' and SPID 'D' Profiles are configured with the SOA Network Data Download Association Function Indicator and the LSMS Network and Subscription Data Download Association Function Indicator set to 'ON'.
	4. Verify that the SPID 'C' Profile is configured with the SOA Network Data Download Association Function Indicator set to 'ON' and the LSMS Network and Subscription Data Download Association Function Indicator set to 'OFF'.
	5. Verify that SPID 'B' is configured with an NPA-NXX Filter that DOES NOT allow them to receive notifications for the NPA-NXX you are about to create.
	6. Verify that the NPA-NXX does not exist on the NPAC SMS that SPID 'B' is going to create.
	7. Verify that the NPA-NXX that you are going to add during this test case is a valid NPA for the region in which you are going to add.
Prerequisite SP Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using their SOA System, Service Provider 'B' Personnel submit a request to the NPAC SMS to create	NPAC	1. The NPAC SMS receives the Request for the NPA-NXX from the 'Primary' SPID ('A') for 'Associated' SPID 'B'.

·		r	· · · · · · · · · · · · · · · · · · ·
	an NPA-NXX that is valid for the region in which you are testing and does not already exist on the NPAC SMS. The SPID 'A's' SOA association issues an M-CREATE Request in CMIP (or NXCQ – NpaNxxCreateRequest in XML) serviceProvNPA-NXX to the NPAC SMS (on behalf of SPID 'B').		 The NPAC SMS issues an M-CREATE Response in CMIP (or NXCR – NpaNxxCreateReply in XML) back to 'Associated' SPID 'B' under the 'Primary' SPID 'A' association.
2. NP.	 AC 1. The NPAC SMS sends an M-CREATE for the serviceProvNPA-NXX object in CMIP (or NXCD – NpaNxxCreateDownload in XML) to all LSMSs that have their Network and Subscription Data Download Association Function-Indicator set to 'ON' and are accepting downloads for this NPA-NXX according to their filters. (SPIDs 'A', and 'D' in this scenario.) 2. The NPAC SMS sends an M-CREATE for the serviceProvNPA-NXX object in CMIP (or NXCD – NpaNxxCreateDownload in XML) to all SOAs that have their Network Data Download Association Function-Indicator set to 'ON' and are accepting downloads for this NPA-NXX object in CMIP (or NXCD – NpaNxxCreateDownload in XML) to all SOAs that have their Network Data Download Association Function-Indicator set to 'ON' and are accepting downloads for this NPA-NXX according to their filters. (SPIDs 'A', 'C' and 'D' in this scenario.) 	SP	 All LSMSs in the region that are accepting downloads for the serviceProvNPA-NXX issue an M-CREATE Response in CMIP (or DNLR - DownloadReply in XML) back to the NPAC SMS. All SOAs in the region that are accepting downloads for the serviceProvNPA-NXX issues an M-CREATE Response in CMIP (or DNLR - DownloadReply in XML) back to the NPAC SMS.
3. SP	Service Provider 'A' Personnel query their local SOA and LSMS system for the NPA-NXX that was just created by Service Provider 'B'.	SP	 Verify that the NPA-NXX exists on SPID 'A's' local SOA system and belongs to Service Provider 'B'. Verify that the NPA-NXX exists on SPID 'A's' local LSMS system, and belongs to Service Provider 'B'.
4. SP opti al	on Service Provider 'B' Personnel query their local SOA and LSMS system for the NPA-NXX that they just created on the NPAC SMS.	SP	Verify that the NPA-NXX DOES NOT exist on SPID 'B's' local SOA and LSMS systems.
5. SP opti al	for the NPA-NXX that was just created by Service Provider 'B'.	SP	 Verify that the NPA-NXX exists on SPID 'C's' local SOA system and belongs to Service Provider 'B'. Verify that the NPA-NXX exists on SPID 'C's' local LSMS system and belongs to Service Provider 'B'.
6. SP opti al	on Service Provider 'D' Personnel query their local SOA and LSMS system		 Verify that the NPA-NXX exists on your local SOA system and belongs to Service Provider 'B'.

for the NPA-NXX that was just created by Service Provider 'B'.	2. Verify that NPA-NXX exists on your local LSMS system and belongs to Service Provider 'B'.
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Test Case	NANC 48-7	Priority:	Conditional
Number:			
Objective:	SOA – 'Associated' SPID 'B' issues an inter-Service Provider Subscription Version Create		
	to the NPAC SMS where the TN is the first to be ported in the NPA-NXX, and they are		
	the New Service Provider	and 'Primary' SP	ID 'A' is the Old Service Provider – Success

B. REFERENCES

NEFERENCES			
NANC		Change	NANC 48 – Multiple Service
Change		Order	Provider Ids per SOA Association
Order		Number(s):	
Revision			
Number:			
NANC FRS	2.0.0	Relevant	RR3-2
Version		Requirement(
Number:		s):	
NANC IIS	2.0.1	Relevant	B.5.1.2 Subscription Version
Version		Flow(s):	Create by the Initial SOA (New
Number:			Service Provider)

C. TIME ESTIMATE

-					
	Estimated	Estimated	Estimated	Estimated	
	Execution	Prerequis	NPAC	SP Setup	
	Time:	ite Setup	Setup	Time:	
		Time:	Time:		

D. PREREQUISITE

IKEREQUISII	
Prerequisite	
Test Cases:	
Prerequisite	1. Verify that SPID 'A' exists as a 'Primary' SPID, and is configured with SOA Network
NPAC Setup:	Data Download Association Function Indicator and LSMS Network and Subscription
-	Data Download Association Function Indicator set to 'ON'. SPID 'A' has a filter set
	such that it will receive downloads for this NPA-NXX.
	2. Verify that SPID 'B' is an 'Associated' SPID to SPID 'A'.
	3. Verify SPID 'B' is configured with SOA Network Data Download Association
	Function Indicator and LSMS Network and Subscription Data Download Association
	Function Indicator set to 'ON'. SPID 'B' has a filter set such that it will receive
	downloads for this NPA-NXX.
	4. Verify that the NPA-NXX of the TN to be used for the subscription version create
	exists on the NPAC SMS and that there have not been any ports against it.
	5. If the Service Provider under test supports Optional Data or Medium Timer Indicator,
	include these attribute values in the request.
Prerequisite	^
SP Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using a SOA system, SPID 'B' Service Provider Personnel take action to create a New Service Provider, Inter-Service Provider Subscription Version with SPID	SP	SPID 'B' issues an M-ACTION Request subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS care of SPID 'A's' SOA association.

		1	1	
2.	NPAC	'A' as the Old Service Provider and submits the request to the NPAC SMS via their 'Primary' SPID (SPID 'A') association. Specify an NPA-NXX that has not been ported before. Specify a due date that is greater than or equal to the NPA-NXX Live Timestamp. The NPAC SMS receives the M-	NPAC	The NPAC SMS determines the request is valid and
		ACTION subscriptionVersionNewSP- Create in CMIP (or NCRQ – NewSpCreateRequest in XML) from SPID 'B' (care of SPID 'A's' SOA association).		 performs the following: Creates the subscription VersionNPAC object. Sets the subscription version status to 'pending'. Sets the subscriptionVersionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time. Issues an M-ACTION Response in CMIP (or NCRR – NewSpCreateReply in XML) back to SPID 'B' (care of SPID 'A's' SOA association) indicating success.
3.	NPAC	The NPAC SMS issues an M- EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the Old Service Provider SOA (in this case SPID 'A') containing the following subscription version attributes: • subscriptionTN • subscriptionNewCurrentSP • subscriptionNewCurrentSP • subscriptionNewSP- CreationTimeStamp • subscriptionNewSP-DueDate • subscriptionNewSP-DueDate • subscriptionTimerType – if supported by the Service Provider • subscriptionBusinessType – if supported by the Service Provider • subscriptionNewSPMedium Timer Indicator if supported by the Service Provider	SP	The Old Service Provider SOA (SPID 'A' in this case) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
4.	NPAC	The NPAC SMS issues an M- EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New Service Provider SOA (in this case the response goes over the SPID 'A' to NPAC SMS interface and is specified for SPID 'B')	SP	The New Service Provider SOA issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS. (SPID 'A' is responsible for managing this message on behalf of their 'Associated' SPID - SPID 'B')

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5.	NPAC	 containing the following subscription version attributes: subscriptionTN subscriptionNewCurrentSP subscriptionNewSP-CreationTimeStamp subscriptionNewSP-DueDate subscriptionNewSP-DueDate subscriptionTimerType – if subscriptionBusinessType – if supported by the Service Provider subscriptionNewSPMedium subscriptionNewSPMedium subscriptionNewSPMedium subscriptionNewSPMedium subscriptionNewSPMedium subscriptionNewSPMedium subscription version is the first use of this NPA-NXX and performs the following: The NPAC SMS determines that this subscriptionVersionNewNP A-NXX in CMIP (or NNXN – NewNpaNxxNotification in XML) to all LSMSs in the region who are accepting downloads for this NPA-NXX according to their filters The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewNP A-NXX in CMIP (or NNXN – NewNpaNxxNotification in XML) to all LSMSs in the region who are accepting downloads for this NPA-NXX in CMIP (or NNXN – NewNpaNxxNotification in XML) to all SOAs in the region who are accepting downloads for this NPA-NXX in CMIP (or NNXN – NewNpaNxxNotification in XML) to all SOAs in the region who are accepting downloads for this NPA-NXX in CMIP (or NNXN – NewNpaNxxNotification in XML) to all SOAs in the region who are accepting downloads for this NPA-NXX 	SP	 All LSMSs in the region that are accepting downloads for this NPA-NXX issue an M- EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS All SOAs in the region that are accepting downloads for this NPA-NXX issue an M- EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS
6.	NPAC	NPAC Personnel query for the Subscription Version that SPID 'B' Service Provider Personnel just created.	NPAC	Verify that the subscription version exists with a status of 'pending'.
7.	SP optional	SPID 'A' Service Provider Personnel perform a local query for the Subscription Version that SPID 'B' Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of 'pending' state.
8.	SP conditio nal	SPID 'A' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'B' Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of 'pending'.

9.	SP optional	SPID 'A' Service Provider Personnel query for the subscriptionVersionNewNPA- NXX notification on their SOA and/or LSMS systems.	SP	Verify that SPID 'A' received a subscriptionVersionNewNPA-NXX notification for the subscription version that SPID 'B' Service Provider Personnel just created.
10.	SP optional	SPID 'B' Service Provider Personnel perform a local query for the Subscription Version that SPID 'B' Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of 'pending' state.
11.	SP conditio nal	SPID 'B' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'B' Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of 'pending'.
12.	SP optional	SPID 'B' Service Provider Personnel query for the subscriptionVersionNewNPA- NXX notification on their SOA and/or LSMS systems.	SP	Verify that SPID 'B' received a subscriptionVersionNewNPA-NXX notification for the subscription version that SPID 'B' Service Provider Personnel just created.

Test Case	NANC 48-8	Priority:	Conditional	
Number:				
Objective:	SOA – 'Associated' SPID 'B' issues a Subscription Version Activate for an Inter-Service			
-	Provider Port to the NPAC SMS, where they are the New Service Provider and 'Primary'			
	SPID 'A' is the Old Servi	ce Provider - Suc	cess	

B. REFERENCES

KEIEKENCE	0		
NANC		Change	NANC 48 – Multiple Service
Change		Order	Provider Ids per SOA Association
Order		Number(s):	
Revision			
Number:			
NANC FRS	2.0.0	Relevant	N/A
Version		Requirement(
Number:		s):	
NANC IIS	2.0.1	Relevant	B.5.1.5 Subscription Version
Version		Flow(s):	Activated by New Service Provider
Number:			SOA
			B.5.1.6 Active SubscriptionVersion
			Create on Local SMS

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated	
Execution	Prerequis	NPAC	SP Setup	
Time:	ite Setup	Setup	Time:	
	Time:	Time:		

D. PREREQUISITE

TREADQUIDIT				
Prerequisite	NANC 48-7 SOA - 'Associated' SPID 'B' issues an inter-Service Provider Subscription			
Test Cases:	Version Create to the NPAC SMS where the TN is the first to be ported in the NPA-NXX			
	and they are the New Service Provider and 'Primary' SPID 'A' is the Old Service Provider			
	- Success			
Prerequisite	1. Verify that the Subscription Version to be activated exists on the NPAC SMS and that			
NPAC Setup:	both the Old and New Service Providers have issued their creates or the Initial and			
	Final Concurrence Windows have expired.			
	2. Verify that SPID 'A' exists as a 'Primary' SPID, and is configured with SOA and			
	LSMS Network Data Download Indicators set to 'ON'. SPID 'A' has filters set such			
	that they will receive downloads for this NPA-NXX.			
	3. Verify that SPID 'B' is an 'Associated' SPID to SPID 'A'.			
	4. Verify SPID 'B' is configured with SOA and LSMS Network Data Download			
	Indicators set to 'ON'. SPID 'B' has filters set such that they will receive downloads			
	for this NPA-NXX.			
Prerequisite SP Setup:				

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using a SOA system, SPID 'B' Service Provider Personnel	SP	SPID 'B' issues an M-ACTION Request subscriptionVersionActivate in CMIP (or ACTQ –
		Activate a 'Pending' Subscription		ActivateRequest in XML) to the NPAC SMS care
		Version where they are the New		of SPID 'A's' SOA association.

		Service Provider on or after the Subscription Version due date.		
2.	NPAC	The NPAC SMS receives the M- ACTION Request in CMIP (or ACTQ – ActivateRequest in XML) from SPID 'B' (care of SPID 'A's' SOA association) and issues an M- SET Request to set the subscriptionVersionActivationTime Stamp and subscriptionModifiedTimeStamp to the current date and time.	NPAC	The NPAC SMS issues an M-SET Response to itself.
3.	NPAC	The NPAC SMS issues an M- ACTION subscriptionVersionActivateRespon se in CMIP (or ACTR – ActivateReply in XML) to the New Service Provider SOA (over the SPID 'A' association on behalf of SPID 'B' in this case).	SP	SPID 'B' receives the Response from the NPAC SMS.
4.	NPAC	The NPAC SMS issues an M-SET Request to set the subscription version status to 'sending' and the subscriptionBroadcastTimeStamp to the current date and time.	NPAC	The NPAC SMS issues an M-SET Response to itself.
5.	NPAC	The NPAC SMS issues an M- CREATE Request subscriptionVersion in CMIP (or SVCD – SvCreateDownload in XML) to all LSMSs in the region that are accepting downloads for this NPA-NXX	SP	All LSMSs that are accepting downloads for this NPA-NXX issue an M-CREATE Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS
6.	NPAC	The NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttribute ValueChange in CMIP (or VATN – SvAttributeValueChangeNotificatio n in XML) to the Old Service Provider SOA to set the subscription version status to 'Active'.	SP	SPID 'A' issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
7.	NPAC	The NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttribute ValueChange in CMIP (or VATN – SvAttributeValueChangeNotificatio n in XML) to the New Service Provider SOA to set the subscription version status to 'Active'.	SP	SPID 'B' issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS via the SPID 'A' SOA to NPAC SMS association.
8.	NPAC	NPAC Personnel query for the Subscription Version that SPID 'B' Service Provider Personnel just activated in this test case.	NPAC	Verify that the subscription version exists with a status of 'active'.

9.	SP optiona l	SPID 'A' Service Provider Personnel perform a local query using their SOA and/or LSMS systems for the Subscription Version that SPID 'B' Service Provider Personnel just activated.	SP	Verify that the subscription version exists with a status of 'active'.
10.	SP conditi onal	SPID 'A' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'B' Service Provider Personnel just activated.	SP	Verify that the subscription version exists with a status of 'active'.
11.	SP optiona l	SPID 'B' Service Provider Personnel perform a local query using their SOA and/or LSMS systems for the Subscription Version that SPID 'B' Service Provider Personnel just activated.	SP	Verify that the subscription version exists with a status of 'active'.
12.	SP conditi onal	SPID 'B' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'B' Service Provider Personnel just activated.	SP	Verify that the subscription version exists with a status of 'active.
13.	NPAC	NPAC Personnel perform a full audit for the subscription version that was activated during this test case.	NPAC	Using the Audit Results Log verify that no updates were sent as a result of performing the audit. If updates were issued, the LSMS fails this test case.

Test Case Number:	NANC 48-9	Priority:	Conditional
Objective:	SOA – 'Associated' SPID 'C' issues an inter-Service Provider Subscription Version Create		
	to the NPAC SMS for a range of TNs, where they are the New Service Provider and		
	'Primary' SPID 'A' is the Old Service Provider (Some SPs in the region have filters to not		
	accept downloads for this	NPA-NXX) - Su	ccess

B. REFERENCES

KEFERENCES			
NANC Change		Change Order	NANC 48 – Multiple Service
Order Revision		Number(s):	Provider Ids per SOA Association
Number:			riovider ids per Sorrrissoeiddon
NANC FRS	2.0.0	Relevant	N/A
Version Number:		Requirement(s):	
NANC IIS	2.0.1	Relevant Flow(s):	B.5.1.2 Subscription Version
Version Number:			Create by the Initial SOA (New
			Service Provider)

C. TIME ESTIMATE

Estimated	Estimated	Estimated				
Prerequisite	NPAC Setup	SP Setup				
Setup Time:	Time:	Time:				
	Estimated Prerequisite	Estimated Estimated Prerequisite NPAC Setup	EstimatedEstimatedEstimatedPrerequisiteNPAC SetupSP Setup			

D. PREREQUISITE

Prerequisite Test Cases:	
Cubesi	
Prerequisite	1. Verify that at least 3 Service Providers are configured on the NPAC SMS.
NPAC Setup:	2. Verify that SPID 'A' exists as a 'Primary' SPID, and is configured with SOA Network
	Data Download Association Function Indicator and LSMS Network and Subscription
	Data Download Association Function Indicator are set to 'ON'. SPID 'A' has a filter
	set such that it will receive downloads for this NPA-NXX.
	3. Verify that SPID 'B' is an 'Associated' SPID to SPID 'A'.
	4. Verify that SPID 'B' is configured with SOA Network Data Association Function
	Indicator and LSMS Network and Subscription Data Download Association Function
	Indicator set to 'ON'. SPID 'B' has a filter set such that it will receive downloads for
	this NPA-NXX.
	5. Verify that SPID 'C' is an 'Associated' SPID to SPID 'A'.
	6. Verify that SPID 'C' is configured with a SOA Network Data Download Association
	Function Indicator and LSMS Network and Subscription Data Download Association
	Function Indicator set to 'ON'. SPID 'C' has a filter set such that it WILL NOT
	receive downloads for this NPA-NXX.
	7. Verify that the NPA-NXX of the TNs to be used in the subscription version create
	exists on the NPAC SMS.
	8. If the Service Provider under test supports Optional Data or Medium Timer Indicator,
	include these attribute values in the request.
Prerequisite SP Setup:	n na har na h

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using a SOA system, SPID 'C' Service Provider Personnel create an Inter-Service Provider Subscription Version for at least 2 consecutive	SP	SPID 'C' issues an M-ACTION Request subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS care of SPID 'A's' SOA association.

		TNs in a range where they are the		
		New Service Provider and SPID 'A' is the Old Service Provider and submits it to the NPAC SMS via		
		their 'Primary' SPID (SPID 'A') association. Specify a due date that is equal to or greater than the NPA-		
		NXX Live Timestamp.		
2.	NPAC	The NPAC SMS receives the M- ACTION subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) from SPID 'C' care of SPID 'A's' SOA system.	NPAC	 The NPAC SMS determines the request is valid and performs the following: Creates the subscriptionVersionNPAC object for each TN in the range. Sets the subscription version status to 'pending' for each TN in the range. Sets the subscriptionVersionModifiedTimeStamp and subscriptionVersionModifiedTimeStamp to the current date and time for each TN in the range. Issues an M-ACTION Response in CMIP (or NCRR – NewSpCreateReply in XML) back to SPID 'A' (for SPID 'B') indicating success for the TN's in the range.
3.	NPAC	The NPAC SMS issues an M- EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) for each TN in the range to the Old Service Provider SOA (in this case SPID 'A') containing the following subscription version attributes: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP- CreationTimeStamp • subscriptionNewSP-DueDate • subscriptionNewSP-DueDate • subscriptionTimerType – if supported by the Service Provider • subscriptionBusinessType – if supported by the Service Provider • subscriptionNewSPMedium Timer Indicator if supported by the Service Provider	SP	The Old Service Provider SOA (SPID 'A' in this case) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS for each TN in the range.
4.	NPAC	The NPAC SMS issues an M- EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) for each TN in the range to the New Service Provider SOA (in this case the response goes over the SPID 'A' to NPAC SMS interface and is	SP	The New Service Provider SOA issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS for each TN in the range. (SPID 'A' is responsible for managing this message on behalf of their 'Associated' SPID - SPID 'C')

5.	NPAC	 specified for SPID 'C')containing the following subscription version attributes: subscriptionTN subscriptionOldSP subscriptionNewCurrentSP subscriptionNewSP-CreationTimeStamp subscriptionVersionStatus subscriptionNewSP-DueDate subscriptionTimerType – if supported by the Service Provider subscriptionNewSPMedium Timer Indicator if supported by the Service Provider NPAC Personnel query for the Subscription Versions that SPID 'C' 	NPAC	Verify that the subscription versions exist with a status of 'pending'.
		Service Provider Personnel just created.		status or pending .
6.	SP optiona 1	SPID 'A' Service Provider Personnel perform a local query using their SOA system for the Subscription Versions that SPID 'C' Service Provider Personnel just created.	SP	Verify that the subscription versions exist with a status of 'pending'.
7.	SP conditi onal	SPID 'A' Service Provider Personnel perform an NPAC SMS query for the Subscription Versions that SPID 'C' Service Provider Personnel just created.	SP	Verify that subscription versions exist with a status of 'pending'.
8.	SP conditi onal	SPID 'B' Service Provider Personnel perform an NPAC SMS query for the Subscription Versions that SPID 'C' Service Provider Personnel just created.	SP	No data is returned to SPID 'B' because it is neither the Old or New Service Provider for the subscription version.
9.	SP option al	SPID 'C' Service Provider Personnel perform a local query using their SOA system for the Subscription Versions that SPID 'C' Service Provider Personnel just created.	SP	Verify that subscription versions exist with a status of 'pending'.
10.	SP conditi onal	SPID 'C' Service Provider Personnel perform an NPAC SMS query for the Subscription Versions that SPID 'C' Service Provider Personnel just created.	SP	Verify that the subscription versions exist with a status of 'pending'.

Test Case Number:	NANC 48-10	Priority:	Conditional				
Objective:	SOA – 'Associated' SPID – Success) 'B' issues an Intr	a-Service Provider Subscription Version Create				

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	N/A
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.1.11 Subscription Version Create for Intra-Service Provider Port

C. TIME ESTIMATE

•						
	Estimated	Estimated	Estimated	Estimated		
	Execution	Prerequisite	NPAC Setup	SP Setup		
	Time:	Setup Time:	Time:	Time:		

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	 Verify that at least 3 Service Providers are configured on the NPAC SMS. Verify that SPID 'A' exists as a 'Primary' SPID, and is configured with SOA Network Data Download Association Function_Indicator and LSMS Network and Subscription Data Download Association Function Indicator set to 'ON'. SPID 'A' has a filter set such that it will receive downloads for this NPA-NXX. Verify that SPID 'B' is an 'Associated' SPID to SPID 'A'. Verify that SPID 'B' is configured with SOA Network Data Download Association Function_Indicator and LSMS Network and Subscription Data Download Association Function_Indicator and LSMS Network and Subscription Data Download Association Function Indicator set to 'ON'. SPID 'B' has a filter set such that it will receive downloads for this NPA-NXX. Verify that SPID 'C' is an 'Associated' SPID to SPID 'A'. Verify that SPID 'C' is configured with a SOA Network Data Download Association Function_Indicator and LSMS Network and Subscription Data Download Association Function_Indicator and LSMS Network and Subscription Data Download Association Function_Indicator and LSMS Network and Subscription Data Download Association Function_Indicator set to 'ON'. SPID 'C' has a filter set such that it will NOT receive downloads for this NPA-NXX. Verify that the NPA-NXX of the TN to be used in the subscription version create exists on the NPAC SMS. NOTE: If the Service Provider under test supports Medium Timer Indicator, and includes this attribute in the Intro SP Create Request NPAC SMS igneres this attribute using
Prerequisite SP Setup:	this attribute in the Intra-SP Create Request, NPAC SMS ignores this attribute value.

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using a SOA system, SPID 'B' Service Provider Personnel create an Intra-Service Provider Subscription Version and submits it to the NPAC SMS via their 'Primary' SPID (SPID 'A') association.	SP	SPID 'B' issues an M-ACTION Request subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS care of SPID 'A's' SOA association.

		Specify a due date that is equal to or greater than the NPA-NXX Live Timestamp.		
2.	NPAC	The NPAC SMS receives the M- ACTION subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) from SPID 'B' care of SPID 'A's' system.	NPAC	 The NPAC SMS determines the request is valid and performs the following: Creates the subscription/VersionNPAC object. Sets the subscription version status to 'pending'. Sets the subscription/VersionModifiedTimeStamp, subscriptionCreationTimeStamp, subscriptionNewSP-AuthorizationTimeStamp and subscriptionOldSP-AuthorizationTimeStamp to the current date and time. Issues an M-ACTION Response in CMIP (or NCRR – NewSpCreateReply in XML) back to SPID 'A' (for SPID 'B') indicating success.
3.	NPAC	The NPAC SMS issues an M- EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the SPID 'B' care of SPID 'A's' SOA association.	SP	SPID 'B' issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS. (SPID 'A' is responsible for managing this message on behalf of their 'Associated' SPID - SPID 'B')
4.	NPAC	NPAC Personnel query for the Subscription Version that SPID 'B' Service Provider Personnel just created.	NPAC	Verify that the subscription version exists in a state of 'pending'.
5.	SP conditi onal	SPID 'A' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'B' Service Provider Personnel just created.	SP	No data is returned to SPID 'A' because it is not the New Service Provider for the subscription version.
6.	SP option al	SPID 'B' Service Provider Personnel perform a local query using their SOA system for the Subscription Version that SPID 'B' Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of 'pending'.
7.	SP conditi onal	SPID 'B' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'B' Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of 'pending'.
8.	SP conditi onal	SPID 'C' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'B' Service Provider Personnel just created.	SP	No data is returned to SPID 'C' because it is not the New Service Provider for the subscription version.

Test Case Number:	NANC 48-11	Priority:	Conditional	
Objective:	SOA – 'Primary' SPID 'A' issues a Port-To-Original Subscription Version Create to the NPAC SMS for a single TN, where they are the New Service Provider and 'Associated' SPID 'B' is the Old Service Provider – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	N/A
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider)

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated			
Execution	Prerequisite	NPAC Setup	SP Setup			
Time:	Setup Time:	Time:	Time:			

D. PREREQUISITE

Prerequisite Test	
Cases:	
Prerequisite NPAC Setup:	1. Verify that there is an 'Active' Subscription Version for SPID 'B' in which SPID 'A' is the original Service Provider.
	2. Verify that at least 3 Service Providers are configured on the NPAC SMS.
	3. Verify that SPID 'A' exists as a 'Primary' SPID, and is configured with SOA Network Data Download Association Function Indicator and LSMS Network and Subscription
	Data Download <u>Association Function Indicator</u> set to 'ON'. SPID 'A' has a filter set such that it will receive downloads for this NPA-NXX.
	4. Verify that SPID 'B' is an 'Associated' SPID to SPID 'A'.
	5. Verify that SPID 'B' is configured with SOA Network Data Download Association
	Function Indicator and LSMS Network and Subscription Data Download Association Function Indicator set to 'ON'. SPID 'B' has a filter set such that it will receive downloads for this NPA-NXX.
	6. Verify that SPID 'C' is an 'Associated' SPID to SPID 'A'.
	7. Verify that SPID 'C' is configured with a SOA Network Data Download Association <u>Function Indicator</u> and LSMS Network and Subscription Data Download-Association <u>Function Indicator</u> set to 'ON'. SPID 'C' has a filter set such that it will NOT receive downloads for this NPA-NXX.
	8. Verify that an 'active' subscription version exists for the TN to be used in the Port-to- Original subscription version create.
	9. If the Service Provider under test supports Optional data or Medium timer Indicator, include these attribute values in the request.
Prerequisite SP Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using a SOA system, SPID 'A' Service Provider Personnel create an	SP	SPID 'A's' SOA issues an M-ACTION Request subscriptionVersionNewSP-Create in CMIP (or

		Inter-Service Provider, Port-To- Original Subscription Version where they are the New Service Provider and 'Associated' SPID 'B' is the Old Service Provider and submit the request to the NPAC SMS.		NCRQ – NewSpCreateRequest in XML) with the Port-to-Original flag set to 'yes' to the NPAC SMS.
2.	NPAC	The NPAC SMS receives the M- ACTION subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) from SPID 'A's' system.	NPAC	 The NPAC SMS determines the request is valid and performs the following: Creates the subscriptionVersionNPAC object. Sets the Port-to-Original flag to 'yes'. Sets the subscription version status to 'pending'. Sets the subscriptionVersionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time. Issues an M-ACTION Response in CMIP (or NCRR – NewSpCreateReply in XML) back to SPID 'A' indicating success.
3.	NPAC	The NPAC SMS issues an M- EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the Old Service Provider SOA (in this case SPID 'B' – care of SPID 'A') containing the following subscription version attributes: • subscription Version attributes: • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP- CreationTimeStamp • subscriptionNewSP-DueDate • subscriptionNewSP-DueDate • subscriptionTimerType – if supported by the Service Provider • subscriptionBusinessType – if supported by the Service Provider • subscriptionNewSPMedium Timer Indicator if supported by the Service Provider	SP	The Old Service Provider SPID 'B' issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
4.	NPAC	The NPAC SMS issues an M- EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New Service Provider (SPID 'A') SOA system with the following subscription version attributes:. • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP	SP	The New Service Provider (SPID 'A') issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.

		• subscriptionNewSP-		
		CreationTimeStamp		
		 subscriptionVersionStatus 		
		 subscriptionNewSP-DueDate 		
		 subscriptionTimerType – if 		
		supported by the Service		
		Provider		
		 subscriptionBusinessType – if 		
		supported by the Service		
		Provider		
		 subscriptionNewSPMedium 		
		Timer Indicator if supported by		
		the Service Provider		
5.	NPAC	NPAC Personnel query for the	NPAC	Verify that the subscription version exists with a
		Subscription Version that SPID 'A'		status of 'pending'.
		Service Provider Personnel just		
		created.		
6.	SP	SPID 'A' Service Provider Personnel	SP	Verify that the subscription version exists with a
	optio	perform a local query using their		status of 'pending'.
	nal	SOA system for the Subscription		
		Version that SPID 'A' Service		
		Provider Personnel just created.		
7.	SP	SPID 'A' Service Provider Personnel	SP	Verify that the subscription version exists with a
	conditi onal	perform an NPAC SMS query for the		status of 'pending'.
	onai	Subscription Version that SPID 'A'		
		Service Provider Personnel just		
	GD	created.	(TD)	
8.	SP	SPID 'B' Service Provider Personnel	SP	Verify that the subscription version exists with a
	option al	perform a local query using their		status of 'pending'.
	ai	SOA system for the Subscription		
		Version that SPID 'A' Service		
0	CD	Provider Personnel just created.	CD	
9.	SP	SPID 'B' Service Provider Personnel	SP	Verify that the subscription version exists with a
	conditi onal	perform an NPAC SMS query for the		status of 'pending'.
	onai	Subscription Version that SPID 'A"		
		Service Provider Personnel just		
10	CD	created.	CD	
10.	SP	SPID 'C' Service Provider Personnel	SP	No data is returned because they are neither the Old
	conditi onal	perform an NPAC SMS query for the		nor the New Service Provider for the subscription
	Ullai	Subscription Version that SPID 'A'		version.
		Service Provider Personnel just		
		created.		

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Test Case Number:	NANC 48-12	Priority:	Conditional			
Objective:	SOA – 'Primary' SPID 'A' issues a Subscription Version Activate for a Port-to-Original					
	Subscription Version to the NPAC for a single TN, where they are the New Service					
	Provider and 'Associated' SPID 'B' is the Old Service Provider – Success					

B. REFERENCES

KEFERENCES	·		
NANC Change Order Revision Number:		Change Order Number(s):	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	N/A
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.1.5 Subscription VersionActivated by New Service ProviderSOAB.5.1.12 Subscription Version Port-to-Original : Successful

C. TIME ESTIMATE

•								
	Estimated		Estimated		Estimated		Estimated	
	Execution		Prerequisite		NPAC Setup		SP Setup	
	Time:		Setup Time:		Time:		Time:	

D. PREREQUISITE

Prerequisite Test	NANC 48-13 SOA – 'Primary' SPID 'A' issues a Port-To-Original Subscription Version
Cases:	Create to the NPAC SMS for a single TN, where they are the New Service Provider and
	'Associated' SPID 'B' is the Old Service Provider – Success
Prerequisite NPAC Setup:	 'Associated' SPID 'B' is the Old Service Provider – Success Verify that the Subscription Version to be activated exists on the NPAC SMS and that both the Old and New Service Providers have issued their creates or the Initial and Final Concurrence Windows have expired. Verify that at least 3 Service Providers are configured on the NPAC SMS. Verify that SPID 'A' exists as a 'Primary' SPID, and is configured with SOA Network Data Download Association Function Indicator and LSMS Network and Subscription Data Download Association Function Indicator set to 'ON'. SPID 'A' has a filter set such that it will receive downloads for this NPA-NXX. Verify that SPID 'B' is an 'Associated' SPID to SPID 'A'. Verify that SPID 'B' is configured with SOA Network Data Download Association Function Indicator and LSMS Network and Subscription Data Download Association Function Indicator set to 'ON'. SPID 'B' has a filter set such that it will receive downloads for this NPA-NXX. Verify that SPID 'C' is an 'Associated' SPID to SPID 'A'. Verify that SPID 'C' is configured with a SOA Network Data Download Association Function Indicator and LSMS Network and Subscription Data Download Association Function Indicator and LSMS Network and Subscription Data Download Association Function Indicator and LSMS Network and Subscription Data Download Association Function Indicator and LSMS Network and Subscription Data Download Association Function Indicator and LSMS Network and Subscription Data Download Association Function Indicator and LSMS Network and Subscription Data Download Association Function Indicator set to 'ON'. SPID 'C' has a filter set such that it will receive
	 downloads for this NPA-NXX. 8. Verify that an active subscription version exists for the same TN as used in the
	'pending' Port-to-Original SV1.
Prerequisite SP Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
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1	CD		CD	
1.	SP	Using a SOA system, SPID 'A' Service Provider Personnel activate a 'Pending' Subscription Version (SV2) where they are the New Service Provider on or after the Subscription Version due date and submit the request to the NPAC	SP	SPID 'A's' SOA issues an M-ACTION Request in CMIP (or ACTQ – ActivateRequest in XML) subscriptionVersionActivate to the NPAC SMS.
2.	NPAC	SMS. The NPAC SMS receives the M-	NPAC	The NPAC SMS issues an M-SET Response to
	i i i i i i i i i i i i i i i i i i i	ACTION Request in CMIP (or ACTQ – ActivateRequest in XML) from SPID 'A's' SOA and issues an M-SET Request to set the subscriptionVersionActivationTimeS tamp and subscriptionModifiedTimeStamp to the current date and time for SV2.		itself.
3.	NPAC	The NPAC SMS issues an M-	SP	SPID 'A' receives the Response from the NPAC
		ACTION subscriptionVersionActivateRespons e in CMIP (or ACTR – ActivateReply in XML) to the New Service Provider SOA for SV2 (SPID 'A' in this case).		SMS over their SOA association.
4.	NPAC	The NPAC SMS issues an M-SET Request to set the subscription version status to 'sending' and set the subscriptionBroadcastTimeStamp to the current date and time.	NPAC	The NPAC SMS issues an M-SET Response to itself.
5.	NPAC	The NPAC SMS issues an M- DELETE Request subscriptionVersion in CMIP (or SVDD – SvDeleteDownload in XML) to all LSMSs in the region that are accepting downloads for this NPA-NXX for SV1.	SP	All LSMSs that are accepting downloads for this NPA-NXX issue an M-DELETE Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS.
6.	NPAC	The NPAC SMS issues an M-SET Request to itself to set the subscription version status for SV1 to 'old' and set the subscriptionModifiedTimeStamp and subscriptionDisconnectCompleteTim eStamp to the current date and time.	NPAC	The NPAC SMS issues an M-SET Response to itself.
7.	NPAC	The NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttributeV alueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA (SPID 'B' care of SPID 'A's' SOA association) to set the subscription version status to 'old' for SV1.	SP	SPID 'B' (via SPID 'A's' SOA association) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
8.	NPAC	The NPAC SMS issues an M- EVENT-REPORT	SP	SPID 'B' (via SPID 'A's' SOA association) issues an M-EVENT-REPORT Confirmation in CMIP (or

		subscriptionVersionStatusAttributeV alueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA (SPID 'B' care of SPID 'A's' SOA association) to set the subscription version status to 'old' for SV2.		NOTR – NotificationReply in XML) back to the NPAC SMS.
9.	NPAC	The NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttributeV alueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider SOA (SPID 'A' in this case) to set the subscription version status to 'old' for SV2.	SP	SPID 'A' (via their SOA association) issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
10.	NPAC	NPAC Personnel query for the Subscription Version that SPID 'A' Service Provider Personnel just activated in this test case as well as SV1.	NPAC	Verify that the subscription versions (SV1 and SV2) exist in an 'old' state.
11.	SP option al	SPID 'A' Service Provider Personnel perform a local query using their SOA and/or LSMS systems for the Subscription Version that SPID 'A' Service Provider Personnel just activated, as well as SV1.	SP	Verify that the subscription versions (SV1 and SV2) exist in a state of 'old'.
12.	SP conditi onal	SPID 'A' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'A' Service Provider Personnel just activated, as well as SV1.	SP	Verify that the subscription versions (SV1 and SV2) exist in a state of 'old'.
13.	SP option al	SPID 'B' Service Provider Personnel perform a local query using their SOA and/or LSMS systems for the Subscription Version that SPID 'A' Service Provider Personnel just activated as well as SV1.	SP	Verify that the subscription versions (SV1 and SV2) exist with a status of 'old'.
14.	SP conditi onal	SPID 'B' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'A' Service Provider Personnel just activated, as well as SV1.	SP	Verify that the subscription versions (SV1 and SV2) exist with a status of 'old'.
15.	SP conditi onal	SPID 'C' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'A' Service Provider Personnel just activated as well as SV1.	SP	No data will be returned because SPID 'C' is neither the Old nor the New Service Provider.
16.	NPAC	NPAC Personnel perform a full audit for the subscription version that was activated during this test case.	NPAC	Using the Audit Results Log verify that no updates were sent as a result of performing the audit. If updates were issued, the LSMS fails this test case.

Test Case Number:	NANC 48-13	Priority:	Conditional
Objective:	SOA – 'Associated' Service Provider 'B' issues An Immediate Subscription Version Disconnect for an 'Active' SV – Success		

B. REFERENCES

-			
NANC		Change	NANC 48 – Multiple Service
Change		Order	Provider Ids per SOA Association
Order		Number(s):	
Revision			
Number:			
NANC FRS	2.0.0	Relevant	N/A
Version		Requirement(
Number:		s):	
NANC IIS	2.0.1	Relevant	B.5.4.1 Subscription Version
Version		Flow(s):	Immediate Disconnect
Number:			

Test case procedures incorporated into test case 2.21 from Release 3.1.

Test Case Number:	NANC 48-14	Priority:	Conditional			
Objective:			ssues a Subscription Version Create for a ce Provider and SPID 'A' is the Old Service			

B. REFERENCES

KEI EKENCES			
NANC Change		Change Order	NANC 48 – Multiple Service
Order Revision		Number(s):	*
Number:			Provider Ids per SOA Association
NANC FRS	2.0.0	Relevant	N/A
Version Number:		Requirement(s):	
NANC IIS	2.0.1	Relevant Flow(s):	B.5.1.2 Subscription Version create
Version Number:			by the Initial SOA (New Service
			Provider)

C. TIME ESTIMATE

Est	stimated	Estimated	Estimated	Estimated	
Ex	recution	Prerequisite	NPAC Setup	SP Setup	
Tiı	me:	Setup Time:	Time:	Time:	

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	 Verify that the Number Pool Block exists and that the Sub-Block is 'Active' for the TN to be used in the Inter-Service Provider subscription version create. Verify that at least 3 Service Providers are configured on the NPAC SMS. Verify that SPID 'A' exists as a 'Primary' SPID, and is configured with SOA Network Data Download Association Function Indicator and LSMS Network and Subscription Data Download Association Function Indicator set to 'ON'. SPID 'A' has a filter set such that it will receive downloads for this NPA-NXX. Verify that SPID 'B' is an 'Associated' SPID to SPID 'A'. Verify SPID 'B' is configured with SOA Network Data Download Association and LSMS Network and Subscription Data Download Association Function-Indicator set to 'ON'. SPID 'B' has a filter set such that it will receive downloads for this NPA- NXX. Verify that SPID 'C' is an 'Associated' SPID to SPID 'A'. Verify SPID 'C' is configured with SOA Network Data Download Association Function-Indicator and LSMS Network and Subscription Data Download Association Function-Indicator and LSMS Network and Subscription Data Download Association Function-Indicator set to 'ON'. SPID 'C' has a filter set such that it will receive downloads for this NPA-NXX.
	8. If the Service Provider under test supports Optional data or Medium timer Indicator, include these attribute values in the request.
Prerequisite SP Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using a SOA system, SPID 'B' Service Provider Personnel create a New Service Provider, Inter-Service Provider Subscription Version specifying a TN which is part of a	SP	SPID 'B' issues an M-ACTION Request subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS care of SPID 'A's' SOA association.

		1		
		Number Pool Block, with SPID 'A'		
		as the Old Service Provider and		
		submits the request to the NPAC		
		SMS via their 'Primary' SPID (SPID		
	NELG	'A') association.	NDIG	
2.	NPAC	The NPAC SMS receives the M-	NPAC	The NPAC SMS determines the request is valid and
		ACTION		performs the following:
		subscriptionVersionNewSP-Create in		• Creates the subscriptionVersionNPAC object.
		CMIP (or NCRQ –		• Sets the subscription version status to 'pending'.
		NewSpCreateRequest in XML) from		• Sets the
		SPID 'B' (care of SPID 'A's' SOA		subscriptionVersionModifiedTimeStamp and
		association).		subscriptionCreationTimeStamp to the current
				date and time.
				• Issues an M-ACTION Response in CMIP (or
				NCRR – NewSpCreateReply in XML) back to
				SPID 'B' (care of SPID 'A's' SOA association)
				indicating success.
3.	NPAC	The NPAC SMS issues an M-	SP	The Old Service Provider SOA (SPID 'A' in this
		EVENT-REPORT objectCreation in		case) issues an M-EVENT-REPORT Confirmation
		CMIP (or VOCN –		in CMIP (or NOTR – NotificationReply in XML)
		SvObjectCreationNotification in		back to the NPAC SMS.
		XML) to the Old Service Provider		
		SOA (in this case SPID 'A')		
		containing the following subscription		
		version attributes:		
		 subscriptionTN 		
		 subscriptionOldSP 		
		 subscriptionNewCurrentSP 		
		 subscriptionNewSP- 		
		CreationTimeStamp		
		 subscriptionVersionStatus 		
		• subscriptionNewSP-DueDate		
		• subscriptionTimerType – if		
		supported by the Service		
		Provider		
		• subscriptionBusinessType – if		
		supported by the Service		
		Provider		
		 subscriptionNewSPMedium 		
		Timer Indicator if supported by		
		the Service Provider		
4.	NPAC	The NPAC SMS issues an M-	SP	The New Service Provider SOA issues an M-
		EVENT-REPORT objectCreation in		EVENT-REPORT Confirmation in CMIP (or NOTR
		CMIP (or VOCN –		– NotificationReply in XML) back to the NPAC
		SvObjectCreationNotification in		SMS.
		XML) to the New Service Provider,		(SPID 'A' is responsible for managing this message
		SPID 'B' (care of SPID 'A's' SOA		on behalf of their 'Associated' SPID - SPID 'B')
		association) containing the following		
		subscription version attributes:		
		subscriptionTN		
		subscriptionOldSP		
		• subscriptionNewCurrentSP		
		 subscriptionNewSP- 		
		CreationTimeStamp		
L		Steation Third Stamp	1	

		 subscriptionVersionStatus subscriptionNewSP-DueDate subscriptionTimerType – if supported by the Service Provider subscriptionBusinessType – if supported by the Service Provider subscriptionNewSPMedium Timer Indicator if supported by the Service Provider 		
5.	NPAC	NPAC Personnel query for the Subscription Version that SPID 'B' Service Provider Personnel just created.	NPAC	Verify that the subscription version exists with a status of 'pending'.
6.	SP optiona l	SPID 'A' Service Provider Personnel perform a local query using their SOA system for the Subscription Version that SPID 'B' Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of 'pending'.
7.	SP conditi onal	SPID 'A' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'B' Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of 'pending'.
8.	SP option al	SPID 'B' Service Provider Personnel perform a local query using their SOA system for the Subscription Version SPID 'B' Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of 'pending'.
9.	SP conditi onal	SPID 'B' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'B' Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of 'pending'.
10.	SP conditi onal	SPID 'C' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'B' Service Provider Personnel just created.	SP	No data is returned to SPID 'C' because it is neither the Old or the New Service Provider for the subscription version.

Test Case Number:	NANC 48-15	Priority:	Conditional		
Objective:	SOA – 'Associated' Service Provider 'B' issues a Subscription Version Activate for a 'Pooled' TN, where they are the New Service Provider and 'Primary' SPID 'A' is the Old Service Provider – Success				

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	N/A
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.1.5 Subscription VersionActivated by New Service ProviderSOAB.5.1.6 Active SubscriptionVersion Create on Local SMS

C. TIME ESTIMATE

D. PREREQUISITE

Prerequisite Test	NANC 48-16 SOA – 'Associated' Service Provider 'A' issues a Subscription Version							
Cases:	Create for a 'Pooled' TN, where they are the New Service Provider and SPID 'B' is the							
	Old Service Provider – Success							
Prerequisite NPAC Setup:	 Create for a 'Pooled' TN, where they are the New Service Provider and SPID 'B' is the Old Service Provider – Success 1. Verify that the Subscription Version to be activated exists on the NPAC SMS and that 							
	downloads for the NPA-NXX you are going to specify in the subscription version activate							
Prerequisite SP Setup:								

Е.	E. TEST STEPS and EXPECTED RESULTS				
	NPAC or SP	Test Step	NPAC or SP	Expected Result	
1.	SP	Using a SOA system, SPID 'B' Service Provider Personnel Activate a 'pending' Subscription Version for a TN that is part of a Number Pool Block, where they are the New Service Provider and 'Primary' SPID 'A' is the Old Service Provider, on or after the Subscription Version due date.	SP	SPID 'B' issues an M-ACTION Request subscriptionVersionActivate in CMIP (or ACTQ – ActivateRequest in XML) to the NPAC SMS care of SPID 'A's' SOA association.	
2.	NPAC	The NPAC SMS receives the M- ACTION Request in CMIP (or ACTQ – ActivateRequest in XML) from SPID 'B' (care of SPID 'A's' SOA association) and issues an M- SET Request to set the subscriptionVersionActivationTimeS tamp and subscriptionModifiedTimeStamp to the current date and time.	NPAC	The NPAC SMS issues an M-SET Response to itself.	
3.	NPAC	The NPAC SMS issues an M- ACTION subscriptionVersionActivateRespons e in CMIP (or ACTR – ActivateReply in XML) to the New Service Provider SOA (over the SPID 'A' association on behalf of SPID 'B' in this case).	SP	SPID 'B' receives the Response from the NPAC SMS.	
4.	NPAC	The NPAC SMS issues an M-SET Request to set the subscription version status to 'sending' and the subscriptionBroadcastTimeStamp to the current date and time.	NPAC	The NPAC SMS issues an M-SET Response to itself.	
5.	NPAC	The NPAC SMS issues an M- CREATE Request subscriptionVersion in CMIP (or SVCD – SvCreateDownload in XML) to all LSMSs in the region that are accepting downloads for this NPA-NXX (SPID's A, B and C in this case).	SP	All LSMSs that are accepting downloads for this NPA-NXX issue an M-CREATE Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS (SPID's A, B and C in this case).	
6.	NPAC	The NPAC SMS issues an M- EVENT-REPORT subscription VersionStatusAttributeV alueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA to set the subscription version status to 'active'.	SP	SPID 'A' issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.	
7.	NPAC	The NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttributeV alueChange in CMIP (or VATN –	SP	SPID 'B' issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS via the SPID 'A' SOA to NPAC SMS association.	

	1			
		SvAttributeValueChangeNotification		
		in XML) to the New Service		
		Provider SOA to set the subscription		
		version status to 'Active' (over the		
		NPAC SMS to SPID 'A' SOA		
		association on behalf of SPID 'B' in		
		this case).		
8.	NPAC	NPAC Personnel query for the	NPAC	Verify that the subscription version exists with a
		Subscription Version that SPID 'B'		status of 'active'.
		Service Provider Personnel just		
		activated in this test case.		
9.	SP	SPID 'A' Service Provider Personnel	SP	Verify that the subscription version exists with a
	option	perform a local query using your		status of 'active'.
	al	SOA and/or LSMS systems for the		
		Subscription Version that SPID 'B'		
		Service Provider Personnel just		
		activated.		
10.	SP	SPID 'A' Service Provider Personnel	SP	Verify that the subscription version exists with a
	conditi	perform an NPAC SMS query for the		status of 'active'.
	onal	subscription version that SPID 'B'		
		Service Provider Personnel just		
		activated.		
11.	SP	SPID 'B' Service Provider Personnel	SP	Verify that the subscription version exists with a
	option	perform a local query using your		status of 'active'.
	al	SOA and/or LSMS systems for the		
		Subscription Version that SPID 'B'		
		Service Provider Personnel just		
		activated.		
12.	SP	SPID 'B' Service Provider Personnel	SP	Verify that the subscription version exists with a
	conditi	perform an NPAC SMS query for the		status of 'active'.
	onal	subscription version that SPID 'B'		
		Service Provider Personnel just		
		activated.		
13.	SP	SPID 'C' Service Provider Personnel	SP	No data is returned because SPID 'C' is neither the
	conditi	perform an NPAC SMS query for the		Old or the New Service Provider.
	onal	Subscription Version that SPID 'B'		
		Service Provider Personnel just		
		activated.		
14.	NPAC	NPAC Personnel perform a full audit	NPAC	Using the Audit Results Log verify that no updates
		for the subscription version that was		were sent as a result of performing the audit. If
		activated during this test case.		updates were issued, the LSMS fails this test case.
		activated during tins test case.	1	updates were issued, the Lowis faits this test case.

Test Case Number:	NANC 48-16	Priority:	Conditional		
Objective:	SOA – 'Associated' Service Provider 'B' issues an Immediate Disconnect for an A SV where the TN is part of a Pool – Success				

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	N/A
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.4.1, B.5.4.1.1, B.5.1.6 Subscription Version Immediate Disconnect (with return to Block Holder)

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated	
Execution	Prerequisite	NPAC Setup	SP Setup	
Time:	Setup Time:	Time:	Time:	

D. PREREQUISITE

I KEKEQUISII								
Prerequisite Test	NANC 48-17 SOA – 'Associated' Service Provider 'A' issues a Subscription Version							
Cases:	Activate for a 'Pooled' TN, where they are the New Service Provider and 'Associated'							
	SPID 'B' is the Old Service Provider – Success1. Verify that a Subscription Version for a TN that is part of a Number Pool Block exists							
Prerequisite NPAC Setup:								
Prerequisite SP Setup:								

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using a SOA system, SPID 'B' Service Provider Personnel Immediately Disconnect an 'Active' subscription version for a TN that is part of a Number Pool Block in	NPAC	SPID 'B' issues an M-ACTION Request subscriptionVersionDisconnect in CMIP (or DISQ – DisconnectRequest in XML) for SV1 to the NPAC SMS (care of their 'Primary' SPID 'A's' SOA association).

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		which SPID 'B' is the Current Service Provider and 'Primary' SPID 'A' is the Old Service Provider and Block Holder Service Provider and submits the request to the NPAC SMS.		
2.	NPAC	The NPAC SMS receives the M- ACTION Request in CMIP (or DISQ – DisconnectRequest in XML) from SPID 'B' (care of SPID 'A's' SOA association).	NPAC	 The NPAC SMS issues an M-SET Request on SV1 to itself and performs the following actions: The subscriptionVersionStatus for SV1 goes to 'sending'. The subscriptionModifiedTimeStamp, subscriptionBroadcastTimeStamp, customerDisconnectDate and subscriptionDisconnectBroadcastStartTimeSta mp are set to the current date and time. Creates SV2 with LNP type 'POOL', and Block default routing information, and sets the status to 'sending'.
3.	NPAC	The NPAC SMS receives the M-SET Request.	NPAC	The NPAC SMS issues an M-SET Response to itself.
4.	NPAC	The NPAC SMS issues an M- ACTION Response in CMIP (or DISR – DisconnectReply in XML) to SPID 'B' via SPID 'A's' SOA association.	SP	SPID 'B' receives the Response from the NPAC via SPID 'A's' SOA association.
5.	NPAC	The NPAC SMS issues an M- EVENT-REPORT subscriptionVersionDonorSP- CustomerDisconnectDate in CMIP (or VCDN – SvCustomerDisconnectDateNotificat ion in XML) on SV1 to SPID 'A'. SPID 'A' is the Block Holder Service Provider.	SP	SPID 'A' issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS for SV1.
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6.	NPAC	 The NPAC SMS issues an M- DELETE Request subscriptionVersion in CMIP (or SVDD – SvDeleteDownload in XML) for SV1 to all LSMSs in the region that are accepting downloads for this NPA-NXX. The subscription version deleted on the LSMSs allows default block routing for the TN from the parent Number Pool Block. The NPAC SMS schedules an LSMS Response Timer for each subscriptionVersion SV1. 	SP	 Each LSMS in the region that is accepting downloads for this NPA-NXX issues an M- DELETE success response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. With the first successful response from an LSMS, the subscriptionDisconnectBroadcastSuccessTimeS tamp and subscriptionModifiedTimeStamp are set to the current date and time.
7.	NPAC	After each LSMS has successfully responded to the NPAC SMS M-	NPAC	The NPAC SMS receives the M-SET Requests and issues M-SET Responses to itself.

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al and/or LSMS systems for SV1 that	•				
					compagnation of List.
			SPID 'B' Service Provider Personnel		
disconnected.					
	10	CD		CD	
	12.			SP	Verify that SV1 exists with a status of 'old' and an
conditi perform an NPAC SMS query for empty failed-SP List.					empty failed-SP List.
onal SV1 that SPID 'B' Service Provider		onal			
Personnel disconnected.					
13.SPSPID 'A' Service Provider PersonnelSPVerify that SV2 exists with a status of 'active', an	13.			SP	
conditi perform an NPAC SMS query for LNP type of 'POOL' and SPID 'A' is the Current		L conditi	perform an NPAC SMS query for	1	I IND type of DOOL' and SDID 'A' is the Current
onal SV2 that the NPAC SMS created to Service Provider.		onal			

		reinstate the 'Pooled' subscription version.		
14.	SP option al	SPID 'B' Service Provider Personnel perform a local query using their SOA and/or LSMS systems for SV1 that SPID 'B' Service Provider Personnel disconnected.	SP	Verify that SV1 exists with a status of 'old' and an empty failed-SP List.
15.	SP option al	SPID 'B' Service Provider Personnel perform a local query using their SOA and/or LSMS systems for SV2 that the NPAC SMS created to reinstate the 'Pooled' subscription version.	SP	Verify that SV2 exists with a status of 'active', an LNP type of 'POOL' and SPID 'A' is the Current Service Provider.
16.	SP conditi onal	SPID 'B' Service Provider Personnel perform an NPAC SMS query for SV1 that SPID 'B' Service Provider Personnel disconnected.	SP	Verify that SV1 exists with a status of 'old' and an empty failed-SP List.
17.	SP conditi onal	SPID 'B' Service Provider Personnel perform an NPAC SMS query for SV2 that the NPAC SMS created to reinstate the 'Pooled' subscription version.	SP	Verify that SV2 exists with a status of 'active', an LNP type of 'POOL' and SPID 'A' is the Current Service Provider.
18.	SP conditi onal	SPID 'C' Service Provider Personnel perform an NPAC SMS query for SV1 that SPID 'B' Service Provider Personnel disconnected.	SP	No data is returned because SPID 'C' is not the Current Service Provider.
19.	SP conditi onal	SPID 'C' Service Provider Personnel perform an NPAC SMS query for SV2 that the NPAC SMS created to reinstate the 'Pooled' subscription version.	SP	No data is returned because SPID 'C' is neither the Old or the New Service Provider.
20.	SP option al	SPID 'A' Service Provider Personnel query for the Donor Service Provider SOA Notification on their SOA system.	SP	Verify that SPID 'A' received the Donor Service Provider Notification for this subscription version.
21.	NPAC	NPAC Personnel perform a full audit for the subscription version that was disconnected during this test case.	NPAC	Using the Audit Results Log verify that no updates were sent as a result of performing the audit. If updates were issued, the LSMS fails this test case.

Test Case Number:	NANC 48-17 Priority: Conditional				
Objective:	SOA – 'Associated' Service Provider 'B' issues a Port-To-Original Subscription Version				
	Create where they are the New Service Provider and SPID 'C' is the Old Service Provider				
	and the TN is part of a 'Pool' – Success				

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	N/A
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider)

C. TIME ESTIMATE

Estimated		Estimated		Estimated		Estimated	
Execution		Prerequisite		NPAC Setup		SP Setup	
Time:		Setup Time:		Time:		Time:	
	Estimated Execution	Estimated Execution	Estimated Estimated Estimated Prerequisite	Estimated Estimated Estimated Prerequisite	EstimatedEstimatedEstimatedExecutionPrerequisiteNPAC Setup	EstimatedEstimatedEstimatedExecutionPrerequisiteNPAC Setup	EstimatedEstimatedEstimatedEstimatedExecutionPrerequisiteNPAC SetupSP Setup

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	 Verify that there is an 'Active' Subscription Version for a TN that is part of a Number Pool Block , SPID 'C' is the Current Service Provider and SPID 'B' is the Block Holder Service Provider. Verify that at least 3 Service Providers are configured on the NPAC SMS. Verify that SPID 'A' exists as a 'Primary' SPID, and is configured with SOA Network Data Download Association Function Indicator and LSMS Network and Subscription Data Download Association Function Indicator set to 'ON'. SPID 'A' has a filter set such that it will receive downloads for this NPA-NXX. Verify that SPID 'B' is an 'Associated' SPID to SPID 'A'. Verify that SPID 'B' is configured with SOA Network Data Download Association Function Indicator and LSMS Network and Subscription Data Download Association Function Indicator set to 'ON'. SPID 'B' has a filter set such that it will receive downloads for this NPA-NXX. Verify that SPID 'C' is an 'Associated' SPID to SPID 'A'. Verify that SPID 'C' is configured with a SOA Network Data Download Association Function Indicator and LSMS Network and Subscription Data Download Association Function Indicator and LSMS Network and Subscription Data Download Association Function Indicator and LSMS Network and Subscription Data Download Association Function Indicator and LSMS Network and Subscription Data Download Association Function Indicator and LSMS Network and Subscription Data Download Association Function Indicator and LSMS Network and Subscription Data Download Association Function Indicator set to 'ON'. SPID 'C' has a filter set such that it will receive downloads for this NPA-NXX. If the Service Provider under test supports Optional data or Medium timer Indicator,
Prerequisite SP	include these attribute values in the request.
Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using a SOA system, SPID 'B' Service Provider Personnel create an Inter-Service Provider, Port-To- Original Subscription Version for a	SP	SPID 'B' issues an M-ACTION Request subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) with the

		TN that is part of a Number Pool Block, where they are the New Service Provider and 'Associated' SPID 'C' is the Old Service Provider and submit the request to the NPAC SMS.		Port-to-Original flag set to 'yes', to the NPAC SMS care of SPID 'A's' SOA association.
2.	NPAC	The NPAC SMS receives the M- ACTION subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) from SPID 'B' care of SPID 'A's' SOA association.	NPAC	 The NPAC SMS determines the request is valid and performs the following: Creates the subscriptionVersionNPAC object. Sets the Port-to-Original flag to 'yes'. Sets the subscription version status to 'pending'. Sets the subscriptionVersionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time. Issues an M-ACTION Response in CMIP (or NCRR – NewSpCreateReply in XML) back to SPID 'A' indicating success.
3.	NPAC	The NPAC SMS issues an M- EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the Old Service Provider SOA (in this case SPID 'C' – care of SPID 'A's' SOA association) containing the following subscription version attributes: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP- CreationTimeStamp • subscriptionNewSP-DueDate • subscriptionNewSP-DueDate • subscriptionTimerType – if supported by the Service Provider • subscriptionBusinessType – if supported by the Service Provider • subscriptionNewSPMedium Timer Indicator if supported by the Service Provider	SP	The Old Service Provider SPID 'C' (care of SPID 'A's' SOA association) issues an M-EVENT- REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
4.	NPAC	The NPAC SMS issues an M- EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New Service Provider (SPID 'B') (care of SPID 'A's' SOA system) and includes the following subscription version attributes: • subscriptionTN • subscriptionOldSP	SP	The New Service Provider (SPID 'B') issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS (via 'Primary' SPID 'A's' SOA association).

			1	
		 subscriptionNewCurrentSP 		
		 subscriptionNewSP- 		
		CreationTimeStamp		
		 subscriptionVersionStatus 		
		 subscriptionNewSP-DueDate 		
		• subscriptionTimerType – if		
		supported by the Service		
		Provider		
		• subscriptionBusinessType – if		
		supported by the Service		
		Provider		
		 subscriptionNewSPMedium 		
		Timer Indicator if supported by		
		the Service Provider		
5.	NPAC	NPAC Personnel query for the	NPAC	Verify that the subscription version exists with a
		Subscription Version that SPID 'B'		status of 'pending'.
		Service Provider Personnel just		
		created.		
6.	SP	SPID 'A' Service Provider Personnel	SP	No data is returned because they are neither the Old
	condit	perform an NPAC SMS query for the		nor the New Service Provider.
	ional	Subscription Version that SPID 'B'		
		Service Provider Personnel just		
		created.		
7.	SP	SPID 'B' Service Provider Personnel	SP	Verify that the subscription version exists with a
	option	perform a local query using your		status of 'pending'.
	al	SOA system for the Subscription		
		Version that SPID 'B' Service		
		Provider Personnel just created.		
8.	SP	SPID 'B' Service Provider Personnel	SP	Verify that the subscription version exists with a
	conditi	perform an NPAC SMS query for the		status of 'pending'.
	onal	Subscription Version that SPID 'B'		
		Service Provider Personnel just		
		created.		
9.	SP	SPID 'C' Service Provider Personnel	SP	Verify that the subscription version exists with a
	option al	perform a local query using your		status of 'pending'.
	ai	SOA system for the Subscription		
1		Version that SPID 'B' Service		
10	60	Provider Personnel just created.	(TR	
10.	SP	SPID 'C' Service Provider Personnel	SP	Verify that the subscription version exists with a
	conditi onal	perform an NPAC SMS query for the		status of 'pending'.
	onai	Subscription Version that SPID 'C'		
		Service Provider Personnel just		
	1	created.		

9.1.6 NANC 68 Related Test Cases:

A. TEST IDENTITY

Test Case Number:	NANC 68 - 1	Priority:	Required				
Objective:	NPAC OP GUI – NPAC Personnel submit a Mass Update request specifying a TN range (no Subscription Versions with status of, partial failure, sending and disconnect-pending exist within a Service Provider ID and for the TN range specified) – Success						

B. REFERENCES

NANC Change Order Revision Number:	N/A	Change Order Number(s):	NANC 68 – Mass Update Requirements Modification
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	R3-7.1, R3-7.2, R3-7.5, R3-7.6, R3-7.7
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.8.3 Mass Update

C. TIME ESTIMATE

•								
	Estimated		Estimated		Estimated		Estimated	
	Execution		Prerequisite		NPAC Setup		SP Setup	
	Time:		Setup Time:		Time:		Time:	

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	 Verify that some Subscription Versions exist with a status of active, pending, cancel, cancel-pending, and conflict within the TN range and for the Service Provider you are going to specify in the Mass Update. Verify no Subscription Versions exist with a status of partial failure, sending, and disconnect-pending. The system under test is configured to receive downloads for the NPA-NXX used in this test case. Verify the SOA Supports SV Type and all Optional Data element Indicators are set to their production values for the Service Provider under test. In this test case any Optional Data elements supported by the SP under test and SV Type data (if the SP under test supports it) should be specified.
Prerequisite SP Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	 Using the NPAC OP GUI, NPAC Personnel submit a request for a Mass Update by specifying a TN Range for a Service Provider ID as the selection criteria. The following attributes will be mass updated: LRN SV Type – if supported by the Service Provider ISVM DPC 	NPAC	 The NPAC SMS searches the Subscription Version database for the Subscription Versions that match the selection criteria. For all objects that match the criteria, the following occurs: If WSMSC data is supported by the LSMS it will be used in the Mass Update. If Optional Data elements or SV Type are supported by the LSMS they will be used in the Mass Update.

			1	·
		ISVM SSN		
		CNAM DPC		
		CNAM SSN		
		LIDB DPC		
		LIDB SSN		
		• WSMSC DPC – (if supported by		
		the service provider)		
		 WSMSC SSN – (if supported by 		
		the service provider		
		-		
2.	NPAC	supported by the service provider) The NPAC SMS issues M-SET	SP	The LOMG as later the specific hattely to find a
2.	NPAC		SP	The LSMS updates the specified attributes for the
		subscriptionVersion Request(s) in		Subscription Versions and issues M-SET
		CMIP (or SVMD –		Response(s) in CMIP (or DNLR – DownloadReply
		SvModifyDownload in XML) to the		in XML) back to the NPAC SMS. Only those
		LSMS under test to modify the		LSMSs that support WSMSC data and/or Optional
		specified attributes for the Mass Update		Data elements and SV Type will receive that
2	ND - C	Request.	an	information in the M-SET request.
3.	NPAC	The NPAC SMS issues an M-EVENT-	SP	The Current Service Provider SOA issues M-
		REPORT		EVENT-REPORT Confirmations in CMIP (or
		subscriptionVersionStatusAttributeValu		NOTR – NotificationReply in XML) back to the
		eChange in CMIP (or VATN –		NPAC SMS indicating it received the NPAC
		SvAttributeValueChangeNotification in		Request successfully.
		XML) to the Current Service Provider		
		SOA to set the		
		subscriptionVersionStatus to 'active'		
		for each mass updated Subscription		
		Version in the range of TNs.		
4.	NPAC	Using the NPAC OP GUI, request a	NPAC	The NPAC SMS generates a Mass Update exception
		Mass Update Exception Report by		report to the specified destination, ordered by
		specifying a time range that corresponds		timestamp, including the following information for
		to the creation timestamp for the		the Subscription Versions that were not updated
		'exception' log entries created as a		during Mass Update processing:
		result of the Mass Update requested.		Subscription Version ID
				• TN
				Current Service Provider
				• Event ID of the Mass Update Request
				• Timestamp of the Mass Update exception
				Subscription Version status at the time of
				exception
				exception
				The report for this test case will not contain
				exceptions.
5.	NPAC	NPAC Personnel perform a query for	NPAC	The Subscription Versions were modified correctly.
		the Subscription Versions in the range		The Subscription versions were mounted confectly.
		that did not have exceptions to verify		
		that Subscription Version fields selected		
6.	SP -	to be mass updated were modified.	SD	The Calescintian Vanions and 1101 1 and 11
0.	SP - optiona	SP Personnel, using their LSMS,	SP	The Subscription Versions were modified correctly.
	1	perform a local query for the		Verify that Active subscription versions that meet
		Subscription Versions to verify that the		the Mass Update criteria are updated.
		Subscription Version fields selected to be mass updated were modified.		

7.	SP – conditi onal	SP Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Versions in the range that did not have exceptions to verify that the Subscription Version fields selected to be mass updated were modified.		The Subscription Versions were modified correctly Any subscription versions with a status of Pending, Conflict, Cancel-Pending or Active that meet the Mass Update criteria are updated as a result of a Mass Update.		
8.	NPAC	NPAC Personnel perform a full audit for the subscription version that were updated during this test case.	NPAC	Using the Audit Results Log verify that no updates were sent as a result of performing the audit. If updates were issued, the LSMS fails this test case.		

Test Case Number:	NANC 68 - 3	Priority:	Required				
Objective:	NPAC OP GUI – NPAC Personnel submit a Mass Update request specifying an LRN and						
	Service Provider ID (some Subscription Versions with status of active, pending, can cancel-pending, and conflict exist for the LRN specified) – Success						

B. REFERENCES

NANC Change Order Revision Number:	N/A	Change Order Number(s):	NANC 68 – Mass Update Requirements Modification				
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	R3-7.1, R3-7.2, R3-7.5, R3-7.6, R3-7.7				
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.8.3 Mass Update				

C. TIME ESTIMATE

Estimated		Estimated		Estimated		Estimated	
Execution		Prerequisite		NPAC Setup		SP Setup	
Time:		Setup Time:		Time:		Time:	

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	 Verify that some Subscription Versions exist with a status of active, pending, cancel, cancel-pending, and conflict for the LRN and Service Provider you are going to specify for a Mass Update. Verify that no-Subscription Versions exist with a status of partial failure, sending, and disconnect-pending. Verify that the TN's to be updated are in a contiguous range smaller than the internal tunable value so that only one M-SET is sent to the LSMS(s). Verify that the system under test is configured to receive downloads for the NPA-NXX used in this test case.
Prerequisite SP Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	 Using the NPAC OP GUI, NPAC Personnel submit a request for a Mass Update by specifying a LRN and Service Provider ID as the selection criteria. The following attributes will be mass updated: LRN LIDB DPC LIDB SSN 	NPAC	 The NPAC SMS searches the Subscription Version database for the Subscription Versions that match the selection criteria. No exceptions are logged.For all objects that match the criteria, the following occurs: The NPAC SMS logs an exception for each Subscription Version with the LRN and Service Provider ID specified for the Mass Update that has a status of partial failure, sending, or disconnect-pending.
2.	NPAC	The NPAC SMS issues M-SET subscriptionVersion Request in CMIP (or SVMD – SvModifyDownload in XML) to the LSMS under test to modify the	SP	The LSMS updates the specified attributes for the Subscription Versions and issues M-SET Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS.

		specified attributes for the Mass Update Request.		The Service Provider validates that only one M-SET request was sent.
3.	NPAC	The NPAC SMS issues an M- EVENT-REPORT subscription VersionStatusAttributeV alueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Current Service Provider SOA to set the subscriptionVersionStatus to 'active' for each mass updated Subscription Version in the range.	SP	The Current Service Provider SOA issues M- EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS indicating it received the NPAC Request successfully.
4.	NPAC	Using the NPAC OP GUI, request a Mass Update Exception Report by specifying a time range that corresponds to the creation timestamp for the 'exception' log entries created as a result of the Mass Update requested.	NPAC	 The NPAC SMS generates a Mass Update exception report to the specified destination, ordered by timestamp, including the following information for the Subscription Versions that were not updated during Mass Update processing: Subscription Version ID TN Current Service Provider Event ID of the Mass Update Request Timestamp of the Mass Update exception Subscription Version status at the time of exception The report for this test case will not contain exceptions.
5.	NPAC	NPAC Personnel perform a query for the Subscription Versions in the range that did not have exceptions to verify that Subscription Version fields selected to be mass updated were modified.	NPAC	The Subscription Versions were modified correctly.
6.	SP - optiona l	SP Personnel, using their LSMS, perform a local query for the Subscription Versions in the range that did not have exceptions to verify that the Subscription Version fields selected to be mass updated were modified.	SP	The Subscription Versions were modified correctly. Verify that Active subscription versions that meet the Mass Update criteria are updated.
7.	SP – conditi onal	SP Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Versions in the range that did not have exceptions to verify that the Subscription Version fields selected to be mass updated were modified.	SP	The Subscription Versions were modified correctly. Any subscription versions with a status of Pending, Conflict, Cancel-Pending or Active that meet the Mass Update criteria are updated.
8.	NPAC	NPAC Personnel perform a full audit for the subscription versions that were updated during this test case.	NPAC	Using the Audit Results Log verify that no updates were sent as a result of performing the audit. If updates were issued, the LSMS fails this test case.

9.1.7 NANC 139 Related Test Cases:

A. TEST IDENTITY

Test Case	NANC 139-1	Priority:	Required
Number:			
Objective:	SOA and LSMS (optional Download Association Fu	l) are connected to inction and the LS	New Service Provider on the NPAC SMS. The the NPAC SMS. The SOA Network Data MS Network Association Function are set to PA-NXX is established for this Service

B. REFERENCES

NANC		Change	NANC 139 – Network Data
Change		Order	Download to SOA
Order		Number(s):	
Revision			
Number:			
NANC FRS	R2.0.0	Relevant	RR4-4.1
Version		Requirement (
Number:		s):	
NANC IIS	R2.0.1	Relevant	B.3.1 Service Provider Creation by
Version		Flow(s):	the NPAC
Number:			

Test Case procedures incorporated into NANC 357-3 for Release 3.3.

Test Case Number:	NANC 139-4	Priority:	Conditional			
Objective:	SOA – Service Provider Personnel create an NPA-NXX on the NPAC SMS. The					
	SOA and LSMS (optional) are connected to the NPAC SMS. The SOA Network					
	Data Download Association Function and LSMS Network and Subscription Data					
	Download Association Functions are set to 'ON', and an NPA-NXX filter for the					
	new NPA-NXX is establ	ished for this Service Pre-	ovider. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 139 – Network Data Download to SOA
NANC FRS Version Number:	R2.0.0	Relevant Requirement(s):	R3-9, R3-10, RR3-1, RR3-2
NANC IIS Version Number:	R2.0.1	Relevant Flow(s):	B.4.1.5 NPA-NXX Creation by the SOA

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated			
Execution	Prerequisi	NPAC	SP Setup			
Time:	te Setup	Setup	Time:			
	Time:	Time:				

D. PREREQUISITE

Prerequisite Test	None				
Cases:					
Prerequisite NPAC Setup:	 Verify that the Service Provider to whom you are going to broadcast the new NPA-NXX create message has valid SOA and LSMS (optional) associations. The Service Provider should be associated with its SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Functions set to 'ON'. Verify that the NPA-NXX that the Service Provider is going to add does not already exist on the NPAC. Verify that the NPA-NXX that the Service Provider is going to add is a valid NPA for the region in which they are testing/adding. Verify that the NPA-NXX filter for the Service Provider already exists on the NPAC for the NPA-NXX to be added. 				
Prerequisite SP Setup:	Associate your SOA and LSMS with the data download association functions set appropriately. You should have both SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Functions set to 'ON'.				

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Service Provider Personnel take action to create an NPA-NXX that is available for porting in their own Service Provider network and submit the request to the NPAC SMS.	SP	The SOA will send an M-CREATE request in CMIP (or NXCQ – NpaNxxCreateRequest in XML) to the NPAC SMS for the serviceProvNPA- NXX object.
2.	NPAC	The NPAC SMS receives the M- CREATE request in CMIP (or	NPAC	The NPAC SMS creates the serviceProvNPA- NXX object for the given Service Provider and

		NXCQ – NpaNxxCreateRequest in XML) from the SOA.		sends an M-CREATE response in CMIP (or NXCR – NpaNxxCreateReply in XML) back to the SOA.
3	NPAC	NPAC SMS verifies the NPA-NXX filter and does not send any messages to the LSMS or SOA.	NPAC	NPAC Personnel verify no M-CREATE messages are sent to the SOA or LSMS.
4.	NPAC	NPAC Personnel query for the NPA- NXX created in this test case.	NPAC	NPAC Personnel verify they can view the new NPA-NXX.
5.	SP – Conditi onal	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the NPA-NXX created in this test case.	SP	Service Provider Personnel verify they can view the new NPA-NXX.
6.	SP - Option al	Service Provider Personnel perform local queries on their SOA and LSMS and verifies they did NOT receive the download.	SP	The Service Provider did NOT receive the download and cannot view the NPA-NXX in either their SOA or LSMS.

Test Case Number:	NANC 139-5	Priority:	Conditional			
Objective:	LSMS - Service Provide	er Personnel create an NI	PA-NXX on the NPAC SMS. The			
	SOA and LSMS (optional	al) are connected to the N	NPAC SMS. The SOA Network			
	Data Download Association Function and LSMS Network and Subscription Data					
	Download Association Functions are set to 'ON'. – Success					
	Note: Per IIS3_4_1aPart2 scenario B.4.1.4, this flow is not available over the					
	XML interface. However, step 3 through step 7 message naming does apply to the					
	XML interface if the NPA-NXX Create Request was initiated via the CMIP					
	interface. See test case 1	139-4 for applicable XM	L message naming.			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 139 – Network Data Download to SOA
NANC FRS Version Number:	R2.0.0	Relevant Requirement(s):	R3-9, R3-10, RR3-1, RR3-2
NANC IIS Version Number:	R2.0.1	Relevant Flow(s):	B.4.1.4 NPA-NXX Creation by the LSMS

C. TIME ESTIMATE

	2			
Estimated	Estimated	Estimated	Estimated	
Execution	Prerequisi	NPAC	SP Setup	
Time:	te Setup	Setup	Time:	
	Time:	Time:		

D. PREREQUISITE

IKEKEQUISITE					
Prerequisite Test	None				
Cases:					
Prerequisite NPAC	1. Verify that the Service Provider to whom you are going to broadcast the new				
Setup:	NPA-NXX create message has valid SOA and LSMS (optional) associations.				
	The Service Provider should be associated with its SOA Network Data				
	Download Association Function and LSMS Network and Subscription Data				
	Download Association Functions set to 'ON'.				
	2. Verify that the NPA-NXX that the Service Provider is going to add does not				
	already exist on the NPAC.				
	3. Verify that the NPA-NXX that the Service Provider is going to add is a valid				
	NPA for the region in which they are testing/adding.				
Prerequisite SP	Associate your SOA and LSMS with the data download association functions set				
Setup:	appropriately. You should have both SOA Network Data Download Association				
	Function and LSMS Network and Subscription Data Download Association				
	Functions set to 'ON'.				

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the LSMS, Service Provider Personnel take action to create an NPA-NXX that is available for porting in their own Service Provider network and submit the request to the NPAC SMS.	SP	The LSMS will send an M-CREATE request to the NPAC SMS for the serviceProvNPA-NXX object.

2.	NPAC	The NPAC SMS receives the M- CREATE request from the LSMS.	NPAC	The NPAC SMS creates the serviceProvNPA- NXX object for the given Service Provider and sends an M-CREATE response back to the LSMS.
3.	NPAC	The NPAC SMS sends an M- CREATE for the serviceProvNPA- NXX object to the LSMS.	SP	The LSMS receives the M-CREATE and sends an M-CREATE response back to the NPAC SMS.
4.	NPAC	The NPAC SMS sends an M- CREATE for the serviceProvNPA- NXX object to the SOA.	SP	The SOA receives the M-CREATE and sends an M-CREATE response back to the NPAC SMS.
5.	NPAC	NPAC Personnel query for the NPA- NXX created in this test case.	NPAC	NPAC Personnel verify they can view the new NPA-NXX.
6.	SP – Conditi onal	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the NPA-NXX created in this test case.	SP	Service Provider Personnel verify they can view the new NPA-NXX.
7.	SP - Option al	Service Provider Personnel perform local queries on their SOA and LSMS and verifies they received the download.	SP	The Service Provider received the download and can view the NPA-NXX in both their SOA and LSMS.

Test Case Number:	NANC 139-7	Priority:	Conditional		
Objective:	SOA – Service Provider Personnel delete an NPA-NXX on the NPAC SMS. The				
	SOA and LSMS (optional) are connected to the NPAC SMS. The SOA Network				
	Data Download Association Function and the LSMS Network and Subscription				
	Data Download Associat	tion Functions are set to	'ON'. – Success		

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 139 – Network Data Download to SOA
NANC FRS Version Number:	R2.0.0	Relevant Requirement(s):	R3-9, R3-10, RR3-1, RR3-2
NANC IIS Version Number:	R2.0.1	Relevant Flow(s):	B.4.1.7 NPA-NXX Deletion by the SOA

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated	
Execution	Prerequisi	NPAC	SP Setup	
Time:	te Setup	Setup	Time:	
	Time:	Time:		

D. PREREQUISITE

IKEREQUISITE	
Prerequisite Test	None
Cases:	
Prerequisite NPAC Setup:	 Verify that the Service Provider to whom you are going to broadcast the NPA- NXX delete message has valid SOA and LSMS (optional) associations. The Service Provider should be associated with its SOA Network Data Download Association Function LSMS Network and Subscription Data Download Association Functions are set to 'ON'. Verify that the NPA-NXX that the Service Provider is going to delete exists on the NPAC.
	 Verify no subscriptions exist for the NPA-NXX that have a status other than 'old' or 'canceled'
Prerequisite SP	1. Associate your SOA and LSMS with the data download association functions
Setup:	set appropriately. You should have both SOA Network Data Download
-	Association Function and the LSMS Network and Subscription Data
	Download Association Functions set to 'ON'.
	2. The NPA-NXX to be deleted already exists in your database.

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Service Provider Personnel take action to delete an NPA-NXX and submit the request to the NPAC SMS.	SP	The SOA will send an M-DELETE request in CMIP (or NXDQ – NpaNxxDeleteRequest in XML) to the NPAC SMS for the serviceProvNPA- NXX object.
2.	NPAC	The NPAC SMS receives the M- DELETE request in CMIP (or NXDQ – NpaNxxDeleteRequest in XML) from the SOA.	NPAC	The NPAC SMS deletes the serviceProvNPA- NXX object from the NPAC SMS, and sends an M-DELETE response in CMIP (or NXDR – NpaNxxDeleteReply in XML) back to the SOA initiating the request.

3.	NPAC	The NPAC SMS sends an M- DELETE in CMIP (or NXDD – NpaNxxDeleteDownload in XML) for the serviceProvNPA-NXX object to the LSMS.	SP	The LSMS sends an M-DELETE response in CMIP (or DNLR - DownloadReply in XML) back to the NPAC SMS
4.	NPAC	The NPAC SMS sends an M- DELETE in CMIP (or NXDD – NpaNxxDeleteDownload in XML) for the serviceProvNPA-NXX object to the SOA.	SP	The SOA sends an M-DELETE response in CMIP (or DNLR - DownloadReply in XML) back to the NPAC SMS
5.	NPAC	NPAC Personnel query for the NPA- NXX deleted in this test case.	NPAC	NPAC Personnel verify they can no longer view the deleted NPA-NXX.
6.	SP – Conditi onal	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the NPA-NXX deleted in this test case.	SP	Service Provider Personnel verify they can no longer view the deleted NPA-NXX.
7.	SP - Option al	Service Provider Personnel perform local queries on their SOA and LSMS and verify they received the download.	SP	The Service Provider received the download and can no longer view the NPA-NXX in their SOA and LSMS.

Test Case Number:	NANC 139-8	Priority:	Conditional
Objective:	belongs to another Servi NPAC SMS. The SOA	ce Provider. The SOA a Network Data Download	A-NXX on the NPAC SMS, that nd LSMS are connected to the I Association Function LSMS station Functions are set to 'ON'.

B. REFERENCES

KEIEKENCES			
NANC Change Order		Change Order	NANC 139 – Network Data
Revision Number:		Number(s):	Download to SOA
NANC FRS Version Number:	R2.0.0	Relevant Requirement(s):	R3-9, R3-10, RR3-1, RR3-2
NANC IIS Version Number:	R2.0.1	Relevant Flow(s):	B.4.1.7 NPA-NXX Deletion by the SOA

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated				
Execution	Prerequisi	NPAC	SP Setup				
Time:	te Setup	Setup	Time:				
	Time:	Time:					

D. PREREQUISITE

FREREQUISITE	
Prerequisite Test	None
Cases:	
Prerequisite NPAC Setup:	1. Verify that the Service Provider to whom you are going to broadcast the NPA- NXX delete message has valid SOA and LSMS (optional) associations. The
	Service Provider should be associated with its SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Functions set to 'ON'.
	2. Verify that the NPA-NXX that the Service Provider is going to delete exists on the NPAC.
	3. Verify no subscriptions exist for the NPA-NXX that have a status other than 'old' or 'canceled'.
	4. Verify that the NPA-NXX belongs to another Service Provider other than the Service Provider performing the test case.
Prerequisite SP Setup:	1. Associate your SOA and LSMS with the data download association functions set appropriately. You should have both the SOA Network Data Download Association Function and LSMS Network and Subscription Data Download
	 Association Functions set to 'ON'. The NPA-NXX to be deleted already exists in your database, but belongs to another Service Provider.

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Service Provider Personnel take action to delete an NPA-NXX that belongs to another Service Provider, and submit the request to the NPAC SMS.	SP	The SOA will send an M-DELETE request in CMIP (or NXDQ – NpaNxxDeleteRequest in XML) to the NPAC SMS for the serviceProvNPA- NXX object.

2.	NPAC	The NPAC SMS receives the M- DELETE request in CMIP (or NXDQ – NpaNxxDeleteRequest in XML) from the SOA.	NPAC	 The NPAC SMS determines the requesting Service Provider is NOT the same as the one that owns the NPA-NXX. (this violates system requirements) An M-DELETE Error Response in CMIP (or NXDR – NpaNxxDeleteReply in XML) is returned to the SOA initiating the request. (access denied in CMIP)
3.	NPAC	NPAC Personnel query for the NPA- NXX deleted in this test case.	NPAC	NPAC Personnel verify they can view the 'deleted' NPA-NXX (since it didn't pass the delete edits).
4.	SP – Conditi onal	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the NPA-NXX deleted in this test case.	SP	Service Provider Personnel verify they can view the 'deleted' NPA-NXX (since it didn't pass the delete edits).
5.	SP - Option al	Service Provider Personnel perform local queries on their SOA and LSMS and verify they did NOT receive the download.	SP	The Service Provider did NOT receive the download and can still view the NPA-NXX in their SOA and LSMS.

Test Case Number:	NANC 139-9	Priority:	Conditional			
Objective:	LSMS - Service Provide	er Personnel delete an NH	PA-NXX on the NPAC SMS. The			
	SOA and LSMS (optional	al) are connected to the N	NPAC SMS. The SOA Network			
	Data Download Associat	tion Function and LSMS	Network and Subscription Data			
	Download Association Function are set to 'ON'. – Success					
	Note: Per IIS3_4_1aPart2 scenario B.4.1.6, this flow is not available over the					
	XML interface. However, step 3 through step 7 message naming does apply to the					
	XML interface if the NPA-NXX Delete Request was initiated via the CMIP					
	interface. See test case 1	139-7 for applicable XM	L message naming.			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 139 – Network Data Download to SOA
NANC FRS Version Number:	R2.0.0	Relevant Requirement(s):	R3-9, R3-10, RR3-1, RR3-2
NANC IIS Version Number:	R2.0.1	Relevant Flow(s):	B.4.1.6 NPA-NXX Deletion by the LSMS

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated	
Execution	Prerequisi	NPAC	SP Setup	
Time:	te Setup	Setup	Time:	
	Time:	Time:		

D. PREREQUISITE

PREREQUISITE	XY.
Prerequisite Test	None
Cases:	
Prerequisite NPAC Setup:	 Verify that the Service Provider to whom you are going to broadcast the NPA- NXX delete message has valid SOA and LSMS (optional) associations. The Service Provider should be associated with its SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. Verify that the NPA-NXX that the Service Provider is going to delete exists on the NPAC.
	3. Verify no subscriptions exist for the NPA-NXX that have a status other than 'old' or 'canceled'.
Prerequisite SP Setup:	 Associate your SOA and LSMS with the data download association functions set appropriately. You should have both SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'.
	 The NPA-NXX to be deleted already exists in your database.

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the LSMS, Service Provider Personnel take action to delete an NPA-NXX and submit the request to the NPAC SMS.	SP	The LSMS will send an M-DELETE request to the NPAC SMS for the serviceProvNPA-NXX object.
2.	NPAC	The NPAC SMS receives the M- DELETE request from the LSMS.	NPAC	The NPAC SMS deletes the serviceProvNPA- NXX object from the NPAC SMS, and sends an

				M-DELETE response back to the LSMS initiating the request.
3.	NPAC	The NPAC SMS sends an M- DELETE for the serviceProvNPA- NXX object to the LSMS.	SP	The LSMS receives the M-DELETE and sends an M-DELETE response back to the NPAC SMS.
4.	NPAC	The NPAC SMS sends an M- DELETE for the serviceProvNPA- NXX object to the SOA.	SP	The SOA receives the M-CREATE and sends an M-CREATE response back to the NPAC SMS.
5.	NPAC	NPAC Personnel query for the NPA- NXX deleted in this test case.	NPAC	NPAC Personnel verify they can no longer view the deleted NPA-NXX.
6.	SP – Conditi onal	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the NPA-NXX deleted in this test case.	SP	Service Provider Personnel verify they can no longer view the deleted NPA-NXX.
7.	SP - Option al	Service Provider Personnel perform local queries on their SOA and LSMS and verify they received the download.	SP	The Service Provider received the download and can no longer view the NPA-NXX in their SOA and LSMS.

Test Case Number:	NANC 139-11	Priority:	Conditional		
Objective:	SOA – Service Provider Personnel create an LRN on the NPAC SMS. The SOA				
	and LSMS (optional) are connected to the NPAC SMS. The SOA Network Data				
	Download Association Function is set to 'ON' and LSMS Network and				
	Subscription Data Down	load Association Function	on is set to 'OFF'. – Success		

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 139 – Network Data Download to SOA
NANC FRS Version Number:	R2.0.0	Relevant Requirement(s):	R3-9, R3-11, RR3-1, RR3-2
NANC IIS Version Number:	R2.0.1	Relevant Flow(s):	B.4.2.2 LRN Creation by the SOA

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated	
Execution	Prerequisi	NPAC	SP Setup	
Time:	te Setup	Setup	Time:	
	Time:	Time:		

D. PREREQUISITE

`	INEREQUISITE				
Prerequisite Test	None				
Cases:					
Prerequisite NPAC	1. Verify that the Service Provider to whom you are going to broadcast the new				
Setup:	LRN create message has valid SOA and LSMS (optional) associations. The				
_	Service Provider should be associated with its SOA Network Data Download				
	Association Function set to 'ON' and its LSMS Network and Subscription				
	Data Download Association Function set to 'OFF'.				
	2. Verify that the NPA-NXX filter for the Service Provider already exists on the				
	NPAC and is the same as the NPA-NXX of the LRN.				
	3. Verify that the LRN that the Service Provider is going to add does not already				
	exist on the NPAC.				
Prerequisite SP	1. Associate your SOA and LSMS with the data download association functions				
Setup:	set appropriately. You should have your SOA Network Data Download				
_	Association Function set to 'ON' and your LSMS Network and Subscription				
	Data Download Association Function set to 'OFF'.				
	2. The LRN to be added does not already exist in your database.				

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Service Provider Personnel take action to create an LRN for their own network data and submit the request to the NPAC SMS.	SP	The SOA will send an M-CREATE request in CMIP (or LRCQ – LrnCreateRequest in XML) to the NPAC SMS for the serviceProvLRN object.
2.	NPAC	The NPAC SMS receives the M- CREATE request in CMIP (or LRCQ – LrnCreateRequest in XML) from the SOA.	NPAC	The NPAC SMS creates the serviceProvLRN object for the given service provider and sends an M-CREATE response in CMIP (or LRCR – LrnCreateReply in XML) back to the SOA.

3.	NPAC	NPAC SMS checks the association function values and determines no message should be sent to the LSMS.	NPAC	NPAC Personnel verify no M-CREATE message is sent to the LSMS.
4.	NPAC	The NPAC SMS sends an M- CREATE in CMIP (or LRCD – LrnCreateDownload in XML) for the serviceProvLRN object to all SOA.	SP	The SOA sends an M-CREATE response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS.
5.	NPAC	NPAC Personnel query for the LRN created in this test case.	NPAC	NPAC Personnel verify they can view the created LRN.
6.	SP – Conditi onal	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the LRN created in this test case.	SP	Service Provider Personnel verify they can view the created LRN.
7.	SP - Option al	Service Provider Personnel perform local queries on their SOA and LSMS and verifies they received the download in their SOA only.	SP	The Service Provider received the download in their SOA and can view the LRN. They have not received the download in their LSMS and thus cannot view the LRN.

Test Case Number:	NANC 139-12	Priority:	Conditional			
Objective:	LSMS – Service Provide	er Personnel create an LR	N on the NPAC SMS. The SOA			
	and LSMS are connected	to the NPAC SMS. Th	e SOA Network Data Download			
	Association Function is a	set to 'OFF' and LSMS 1	Network and Subscription Data			
	Download Association Function is set to 'ON'. – Success					
	Note: Per IIS3_4_1aPart2 scenario B.4.2.6, this flow is not available over the					
	XML interface. However, step 3 through step 7 message naming does apply to the					
	XML interface if the LRN Create Request was initiated via the CMIP interface.					
	See test case 139-11 for	applicable XML messag	e naming.			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 139 – Network Data Download to SOA
NANC FRS Version Number:	R2.0.0	Relevant Requirement(s):	R3-9, R3-11, RR3-1, RR3-2
NANC IIS Version Number:	R2.0.1	Relevant Flow(s):	B.4.2.6 LRN Creation by the LSMS

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated				
Execution	Prerequisi	NPAC	SP Setup				
Time:	te Setup	Setup	Time:				
	Time:	Time:					

D. PREREQUISITE

Prerequisite Test Cases:	None
Prerequisite NPAC Setup:	 Verify that the Service Provider to whom you are going to broadcast the new LRN create message has valid SOA and LSMS (optional) associations. The Service Provider should be associated with its SOA Network Data Download Association Function set to 'OFF' and its LSMS Network and Subscription Data Download Association Function set to 'ON'. Verify that the NPA-NXX filter for the Service Provider already exists on the NPAC and is the same as the NPA-NXX of the LRN Verify that the LRN that the Service Provider is going to add does not already exist on the NPAC.
Prerequisite SP Setup:	 Associate your SOA and LSMS with the data download association functions set appropriately. You should have your SOA Network Data Download Association Function set to 'OFF' and your LSMS Network and Subscription Data Download Association Function set to 'ON'. The LRN to be added does not already exist in your database.

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the LSMS, Service Provider Personnel take action to create an LRN for their own network data and submit the request to the NPAC SMS.	SP	The LSMS will send an M-CREATE request to the NPAC SMS for the serviceProvLRN object.

2.	NPAC	The NPAC SMS receives the M- CREATE request from the LSMS.	NPAC	The NPAC SMS creates the serviceProvLRN object for the given service provider and sends an M-CREATE response back to the LSMS.
3.	NPAC	The NPAC SMS sends an M- CREATE for the serviceProvLRN object to the LSMS.	SP	The LSMS receives the M-CREATE and sends an M-CREATE response back to the NPAC SMS.
4.	NPAC	NPAC SMS checks the association function values and determines no message should be sent to the SOA.	NPAC	NPAC Personnel verify no M-CREATE message is sent to the SOA.
5.	NPAC	NPAC Personnel query for the LRN created in this test case.	NPAC	NPAC Personnel verify they can view the created LRN.
6.	SP – Conditi onal	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the LRN created in this test case.	SP	Service Provider Personnel verify they can view the created LRN.
7.	SP - Option al	Service Provider Personnel perform local queries on their SOA and LSMS and verifies they received the download in their LSMS only.	SP	The Service Provider received the download in their LSMS and can view the LRN. They have not received the download in their SOA and thus cannot view the LRN.

Test Case Number:	NANC 139-14	Priority:	Conditional		
Objective:	SOA – Service Provider Personnel delete an LRN on the NPAC SMS. The SOA				
	and LSMS (optional) are connected to the NPAC SMS. The SOA Network Data				
	Download Association Function is set to 'ON' and the LSMS Network and				
	Subscription Data Down	load Association Function	on is set to 'OFF'. – Success		

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 139 – Network Data Download to SOA
NANC FRS Version Number:	R2.0.0	Relevant Requirement(s):	R3-9, R3-11, RR3-1, RR3-2
NANC IIS Version Number:	R2.0.1	Relevant Flow(s):	B.4.2.3 LRN Deletion by the SOA

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated	
Execution	Prerequisi	NPAC	SP Setup	
Time:	te Setup	Setup	Time:	
	Time:	Time:		

D. PREREQUISITE

FREREQUISITE	
Prerequisite Test	None
Cases:	
Prerequisite NPAC	1. Verify that the Service Provider to whom you are going to broadcast the LRN
Setup:	delete message has valid SOA and LSMS (optional) associations. The Service
_	Provider should be associated with its SOA Network Data Download
	Association Function set to 'ON' and its LSMS Network and Subscription
	Data Download Association Function set to 'OFF'.
	2. Verify that the LRN that the Service Provider is going to delete exists on the
	NPAC and is owned by the Service Provider doing the delete.
Prerequisite SP	1. Associate your SOA and LSMS with the data download association functions
Setup:	set appropriately. You should have your SOA Network Data Download
-	Association Function set to 'ON' and your LSMS Network and Subscription
	Data Download Association Function set to 'OFF'.
	2. The LRN to be deleted already exists in your database and is owned by the
	Service Provider doing the delete

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Service Provider Personnel take action to delete the LRN that was previously created and submit the request to the NPAC SMS.	SP	The SOA will send an M-DELETE request in CMIP (or LRDQ – LrnDeleteRequest in XML) to the NPAC SMS for the serviceProvLRN object.
2.	NPAC	The NPAC SMS receives the M- DELETE request in CMIP (or LRDQ – LrnDeleteRequest in XML) from the SOA.	NPAC	The NPAC SMS deletes the serviceProvLRN object from the NPAC SMS and sends an M- DELETE response in CMIP (or LRDR – LrnDeleteReply in XML) back to the SOA initiating the request.

3.	NPAC	NPAC SMS checks the association function values and determines no message should be sent to the LSMS.	NPAC	NPAC Personnel verify no M-DELETE message is sent to the LSMS.
4.	NPAC	The NPAC SMS sends an M- DELETE in CMIP (or LRDD – LrnDeleteDownload in XML) for the serviceProvLRN object to the SOA.	SP	The SOA sends an M-DELETE response in CMIP (or DNLR - DownloadReply in XML) back to the NPAC SMS.
5.	NPAC	NPAC Personnel query for the LRN deleted in this test case.	NPAC	NPAC Personnel verify they can no longer view the deleted LRN.
6.	SP – Conditi onal	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the LRN deleted in this test case.	SP	Service Provider Personnel verify they can no longer view the deleted LRN.
7.	SP - Option al	Service Provider Personnel perform local queries on their SOA and LSMS and verifies they received the download on their SOA but not on their LSMS.	SP	The Service Provider received the download in their SOA and can no longer view the LRN. They have not received the download in their LSMS and thus can still view the LRN.

Test Case Number:	NANC 139-15	Priority:	Conditional	
Objective:	SOA – Service Provider Personnel delete an LRN on the NPAC SMS, that belongs			
	to another Service Provider. The SOA and LSMS are connected to the NPAC			
	SMS. The SOA Network Data Download Association Function is set to 'OFF'			
	and the LSMS Network and Subscription Data Download Association Function is			
	set to 'ON' Error			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 139 – Network Data Download to SOA
NANC FRS Version Number:	R2.0.0	Relevant Requirement(s):	R3-9, R3-11, RR3-1, RR3-2
NANC IIS Version Number:	R2.0.0	Relevant Flow(s):	B.4.2.3 LRN Deletion by the SOA

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated			
Execution	Prerequisi	NPAC	SP Setup			
Time:	te Setup	Setup	Time:			
	Time:	Time:				

D. PREREQUISITE

TREREQUISITE					
Prerequisite Test	None				
Cases:					
Prerequisite NPAC	1. Verify that the Service Provider to whom you are going to broadcast the LRN				
Setup:	delete message has valid SOA and LSMS (optional) associations. The Service				
	Provider should be associated with its SOA Network Data Download				
	Association Function set to 'OFF' and its LSMS Network and Subscription				
	Data Download Association Function set to 'ON'.				
	2. Verify that the LRN that the Service Provider is going to delete exists on the				
	NPAC.				
	3. Verify that the LRN belongs to another Service Provider.				
Prerequisite SP	1. Associate your SOA and LSMS with the data download association functions				
Setup:	set appropriately. You should have your SOA Network Data Download				
	Association Function set to 'OFF' and your LSMS Network and Subscription				
	Data Download Association Function set to 'ON'.				
	2. The LRN to be deleted already exists in your database and belongs to another				
	Service Provider.				

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Service Provider Personnel take action to delete an LRN that belongs to another Service Provider, and submit the request to the NPAC SMS.	SP	The SOA will send an M-DELETE request in CMIP (or LRDQ – LrnDeleteRequest in XML) to the NPAC SMS for the serviceProvLRN object.
2.	NPAC	The NPAC SMS receives the M- DELETE request in CMIP (or LRDQ – LrnDeleteRequest in XML) from the SOA.	NPAC	1. The NPAC SMS determines the requesting Service Provider is NOT the same as the one that owns the network data. (this violates system requirements)

				2. An M-DELETE Error Response in CMIP (or LRDR – LrnDeleteReply in XML) is returned to the SOA initiating the request. (access denied)
3.	NPAC	NPAC Personnel query for the LRN deleted in this test case.	NPAC	NPAC Personnel verify they can view the 'deleted' LRN (since it did not pass the delete edits).
4.	SP – Condit ional	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the LRN deleted in this test case.	SP	Service Provider Personnel verify they can view the 'deleted' LRN (since it did not pass the delete edits).
5.	S – Option al	Service Provider Personnel perform local queries on their SOA and LSMS and verify they did NOT receive the download.	SP	The Service Provider did NOT receive the download and can still view the NPA-NXX in their SOA and LSMS.

Test Case Number:	NANC 139-16	Priority:	Conditional		
Objective:	LSMS – Service Provide	er Personnel delete an LF	RN on the NPAC SMS. The SOA		
	and LSMS are connected	to the NPAC SMS. Th	e SOA Network Data Download		
	Association Function is	set to 'OFF' and the LSN	AS Network and Subscription		
	Data Download Association Function is set to 'ON'. – Success				
	Note: Per IIS3_4_1aPart2 scenario B.4.2.7, this flow is not available over the				
	XML interface. However, step 3 through step 7 message naming does apply to the				
	XML interface if the LRN Delete Request was initiated via the CMIP interface.				
	See test case 139-14 for	applicable XML messag	e naming.		

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 139 – Network Data Download to SOA
NANC FRS Version Number:	R2.0.0	Relevant Requirement(s):	R3-9, R3-11, RR3-1, RR3-2
NANC IIS Version Number:	R2.0.1	Relevant Flow(s):	B.4.2.7 LRN Deletion by the LSMS

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated	
Execution	Prerequisi	NPAC	SP Setup	
Time:	te Setup	Setup	Time:	
	Time:	Time:		

D. PREREQUISITE

FREREQUISITE	
Prerequisite Test	None
Cases:	
Prerequisite NPAC	1. Verify that the Service Provider to whom you are going to broadcast the LRN
Setup:	delete message has valid SOA and LSMS (optional) associations. The Service
	Provider should be associated with its SOA Network Data Download
	Association Function set to 'OFF' and its LSMS Network and Subscription
	Data Download Association Function set to 'ON'.
	2. Verify that the LRN that the Service Provider is going to delete exists on the
	NPAC and belongs to the Service Provider performing the delete.
Prerequisite SP	1. Associate your SOA and LSMS with the data download association functions
Setup:	set appropriately. You should have your SOA Network Data Download
-	Association Function set to 'OFF' and your LSMS Network and Subscription
	Data Download Association Function set to 'ON'.
	2. The LRN to be deleted already exists in your database and belongs to the
	Service Provider performing the delete.

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the LSMS, Service Provider Personnel take action to delete the LRN that was previously created and submit the request to the NPAC SMS.	SP	The LSMS will send an M-DELETE request to the NPAC SMS for the serviceProvLRN object.
2.	NPAC	The NPAC SMS receives the M- DELETE request from the LSMS.	NPAC	The NPAC SMS deletes the serviceProvLRN object from the NPAC SMS and sends an M-

				DELETE response back to the LSMS initiating the request.
3.	NPAC	The NPAC SMS sends an M- DELETE for the serviceProvLRN object to the LSMS.	SP	The LSMS receives the M-DELETE and sends an M-DELETE response back to the NPAC SMS.
4.	NPAC	NPAC SMS checks the association function values and determines no message should be sent to the SOA.	NPAC	NPAC Personnel verify no M-DELETE message is sent to the SOA.
5.	NPAC	NPAC Personnel query for the LRN deleted in this test case.	NPAC	NPAC Personnel verify they can no longer view the deleted LRN.
6.	SP – Conditi onal	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the LRN deleted in this test case.	SP	Service Provider Personnel verify they can no longer view the deleted LRN.
7.	SP - Option al	Service Provider Personnel perform local queries on their SOA and LSMS and verifies they received the download on their LSMS but not on their SOA.	SP	The Service Provider received the download in their LSMS and can no longer view the LRN. They have not received the download in their SOA and thus can still view the LRN.

9.1.8 NANC 162 Related Test Cases:

A. TEST IDENTITY

Test Case Number:	NANC 162 – 1	Priority:	Conditional		
Objective:	Note: Per IIS3_4_1aPart2	2, the flow for scen ity is handled by f	lify the TN of a Subscription Version – Error nario B.5.2.4 is not available over the XML low B.5.2.3, "SubscriptionVersion Modify Prior		

B. REFERENCES

NEFERENCES						
NANC Change Order Revision Number:	N/A	Change Order Number(s):	NANC 162 – TN Attribute as GET- Replace			
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	R5-30.1, R5-30.2			
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.2.3 Subscription Version Modify Prior to Activate Using M- ACTION			

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated				
Execution	Prerequisite	NPAC Setup	SP Setup				
Time:	Setup Time:	Time:	Time:				

D. PREREQUISITE

1 million Quint	
Prerequisite Test Cases:	
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	Verify that a pending subscription version exists for the TN that will be attempted to be modified. The Service Provider attempting to modify the TN must be the old Service Provider.

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	 Service Provider Personnel, using their SOA system, attempt to modify the TN of a pending Subscription Version for which they are the old Service Provider. The Service Provider SOA will issue an M-SET Request subscription VersionNPAC object for the TN. 	NPAC	 The NPAC SMS receives the M-SET Request from the Service Provider SOA and determines that the attribute specified for modification is the TN in the subscription version. (This violates system requirements). The NPAC SMS rejects the request to modify the subscription version and issues an M-SET Error Response back to the Originating Old Service Provider SOA.
2.	NPAC	NPAC Personnel perform a query for the Subscription Versions to verify that subscription version TN was not modified.	NPAC	The Subscription Version was not modified.
3.	SP – conditio nal	SP Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription	SP	The Subscription Version was not modified.

		Versions to verify that the subscription version TN was not modified.		
4.	SP - optional	SP Personnel, using their SOA, perform a local query for the Subscription Versions to verify that the subscription version TN was not modified.	SP	The Subscription Version was not modified.

9.1.9 NANC 201 and 202 Related Test Cases:

The Timer Type is set upon Subscription Version Creation based on the following algorithm: If both the SV_Port_In_Timer_Type for the New Service Provider and the SV_Port_Out_Timer_Type for the Old Service Provider on the Subscription Version are set to short, the Subscription Version Timer Type is set to short. Otherwise, it is set to long.

The Business Type is set upon Subscription Version Creation based on the following algorithm: If the SP Business Hours tunables for both the New Service Provider and the Old Service Provider match, the Subscription Version Business Hours type field is set to the matching value. Otherwise, it is set to Normal.

When the region and both Service Providers party to the subscription version support Medium Timers, their respective Medium Timer Indicator (MTI) must be specified in the create/release request. In this scenario, default Timer Type and Business Type processing only occurs when the Old Service Provider issues a Release indicating an Old SP MTI of False, OR when the Old Service Provider doesn't respond to a New Service Provider create where the New SP MTI is False. If the Old Service Provider issues a Release indicating an Old SP MTI value of True, then the Timer Type and Business Type are set to Medium. Likewise if the New Service Provider issues a Create indicating a New Service Provider MTI of True and the Old Service Provider does not issue a respective release then the Subscription Version will be processed following Medium porting intervals.

A. TEST IDENTITY

Test Case Number:	NANC 201-1	Priority:	Conditional
Objective:	Version for a single TN w and 'SP Business Hours' Timer' is set to 'SHORT'	when the New Ser is set to 'NORMA and 'SP Business	ate an Inter-Service Provider Subscription vice Provider 'Port In Timer' is set to 'SHORT' L' and the Old Service Provider 'Port Out Hours' is set to 'NORMAL, let the Initial expire prior to Old Service Provider

B. **REFERENCES**

REFERENCES			
NANC Change		Change Order	NANC 201 – Unique Set of Timers
Order Revision		Number(s):	•
Number:			
NANC FRS	2.0.0	Relevant	R5-19.3, R5-21.1, R5-23.1, R5-
Version Number:		Requirement(s):	19.5, R5-15.1, R5-20.5, R5-21.6,
			R5-21.7, R5-18.1, R5-18.3, R518-
			4, R5-18.5, R5-18.6, R5-18.7, R5-
			22
			22
NANC IIS	2.0.1	Relevant Flow(s):	B.5.1.2 Subscription Version
Version Number:			Create by the Initial SOA (New
			Service Provider)
			B.5.1.4.1 SubscriptionVersion
			Create: No Create Action from the
			Old Service Provider SOA After
			Concurrence Window
			B.5.1.4.2 SubscriptionVersion
			Create: No Create Action from the
			Old Service Provider SOA After
			Final Concurrence Window

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated	
Execution	Prerequisite	NPAC Setup	SP Setup	
Time:	Setup Time:	Time:	Time:	

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that for the New Service Provider in this TC, their 'Port-In Timer Type' is set to 'SHORT' in their Customer Profile.
	2. Verify that for the Old Service Provider in this TC, their 'Port-Out Timer Type' is set to 'SHORT' in their Customer Profile.
	3. Verify that for the New and Old Service Providers in this TC their 'SP Business Hours' are set to 'NORMAL' in their Customer Profile.
	4. Verify the Initial Concurrence Timer and the Final Concurrence Timer are set to their lowest possible value, in order to expedite test verification (1 business hour for each tunable).
	5. The Service Provider SOA Notification Channel tunable is set to the service provider's production setting. If the service provider supports a separate notification channel, they are connected to the NPAC SMS testbed with one channel where the notificationDownload function bit is set and another channel that does not have this bit set.
	 6. Verify the SOA Supports SV Type and all Optional Data element Indicators are set to their production values for the Service Provider under test. In this test case the service provider should indicate any Optional Data elements they support and SV Type data (if they support it).
	 Verify the SOA Supports Medium Timer Indicator is set to the production value for the Service Provider under test.
Prerequisite SP Setup:	Verify that the respective NPA-NXX exists for which you are going to create an Inter- Service Provider Subscription Version.

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	 Using their SOA system, New Service Provider Personnel take action to create an Inter-Service Provider Subscription Version for a single TN. The SOA issues an M-ACTION subscriptionVersionNewSP- Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS InpSubscriptions object. The following attributes must be specified: subscriptionTN subscriptionNewCurrentSP subscriptionNewSP- DueDate (seconds set to zero) subscriptionPortingToOrigi nal-SP Switch 	NPAC	The NPAC SMS receives the Request from the Service Provider SOA, verifies that the request is valid, and that all required attributes are included and pass field level validations.

	• subscriptionLRN		
	• subscriptionSVType – if		
	supported by the Service		
	Provider SOA		
	 subscriptionCLASS-DPC 		
	 subscriptionCLASS-SSN 		
	 subscriptionLIDB-DPC 		
	 subscriptionLIDB-SSN 		
	 subscriptionCNAM-DPC 		
	 subscriptionCNAM-SSN 		
	subscriptionISVM-DPC		
	 subscriptionISVM-SSN 		
	 subscriptionWSMSC-DPC 		
	– (if supported by the		
	Service Provider SOA)		
	 subscriptionWSMSC-SSN 		
	(if supported by the Service		
	Provider SOA)		
	subscriptionNewSPMedium		
	Timer Indicator – if		
	supported by the Service		
	Provider under test		
	The following attributes are optional		
	 subscriptionEndUserLocatio 		
	nValue		
	subscriptionEndUserLocatio		
	nType		
	 subscriptionBillingID 		
	 subscriptionOptionalData – 		
	all elements supported by		
	the Service Provider SOA.		
2. NP	PAC 1. After the NPAC SMS	NPAC	1. The NPAC SMS receives the M-CREATE
	determines the request is valid it		request and issues an M-CREATE Response
	issues an M-CREATE		back to itself indicating the NPAC successfully
	subscriptionVersionNPAC to		created the 'pending' Subscription Version as
	itself to create the respective		requested by the SOA.
	Subscription Version object.		2. The NPAC SMS issues an M-ACTION
	2. The status is set to 'pending' and		Response in CMIP (or NCRR –
	the		NewSpCreateReply in XML) back to the New
	subscriptionModifiedTimeStamp		Service Provider SOA indicating it successfully
	and		processed the Subscription Version Create
	subscriptionCreationTimeStamp		Request.
	are set to the current date and		
	time.		
	3. The NPAC SMS proceeds to set		
	the Initial and Final Concurrence		
	Timers for this Subscription		
	Version based on the New		
	Service Provider Port-In Timer		
	Type and SP Business Hours and the Old Service Provider Port		
	the Old Service Provider Port- Out Timer Type and SP		
	Out Timer Type and SP Business Hours settings in their		
	Business Hours settings in their		
1 1	respective Customer Profiles and		

			1	
		if both Service Providers		
		indicated in the port request		
		support the Medium Timer		
		Indicator, then the		
		NewSPMediumTimerIndicator		
		value is also considered.		
3.	NPAC	The NPAC SMS issues an M-	SP	The Old Service Provider SOA issues an M-
		EVENT-REPORT objectCreation in		EVENT-REPORT Confirmation in CMIP (or NOTR
		CMIP (or VOCN –		– NotificationReply in XML) back to the NPAC
		SvObjectCreationNotification in		indicating it successfully received the NPAC
		XML) to the Old Service Provider		notification.
		SOA containing the following		
		attributes for		
		subscriptionVersionNPAC creation:		
		 subscriptionTN 		
		 subscriptionOldSP 		
		• subscriptionNewCurrentSP		
		 subscriptionNewSP- 		
		CreationTimeStamp		
		 subscriptionVersionStatus 		
		-		
		• subscriptionTimerType – if		
		supported by the Service		
		Provider's SOA		
		• subscriptionBusinessType - if		
		supported by the Service		
		Provider's SOA		
		subscriptionNewSPMediumTim		
		erIndicator – if supported by the		
		Service Provider's SOA	~~	
4.	NPAC	The NPAC SMS issues an M-	SP	The New Service Provider SOA issues an M-
		EVENT-REPORT objectCreation in		EVENT-REPORT Confirmation in CMIP (or NOTR
		CMIP (or VOCN –		- NotificationReply in XML) back to the NPAC
		SvObjectCreationNotification in		indicating it successfully received the NPAC
		XML) to the New Service Provider		notification.
		SOA containing the following		
		attributes for		
		subscriptionVersionNPAC creation:		
		 subscriptionTN 		
		 subscriptionOldSP 		
		 subscriptionNewCurrentSP 		
		 subscriptionNewSP- 		
		CreationTimeStamp		
		• subscriptionVersionStatus		
		• subscriptionNewSP-DueDate		
		• subscriptionTimerType – if		
		supported by the Service		
		Provider's SOA		
		 subscriptionBusinessType - if 		
		supported by the Service		
		Provider's SOA		
		• subscriptionNewSPMediumTim erIndicator – if supported by the		
		Service Provider's SOA		
		Service Provider's SUA		

				1
5.	NPAC	 Wait for the Initial Concurrence Timer to expire. NPAC SMS sends the old service provider SOA an M- EVENT-REPORT in CMIP (or VOIN – SvOldSpConcurrenceNotificatio n in XML) indicating the Initial Concurrence Timer has expired and requesting Confirmation. 	SP	The old service provider SOA returns an M- EVENT-REPORT confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
6.	NPAC	 Wait for the Final Concurrence Timer to expire. The NPAC SMS issues an M- EVENT-REPORT in CMIP (or VOFN – SvOldSpFinalConcurrenceWind owExpirationNotification in XML) to the Old Service Provider SOA indicating the Final Concurrence Timer has expired. 	SP	The old service provider SOA returns an M- EVENT-REPORT confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
7.	NPAC	NPAC Personnel query for the Subscription Version created in this test case.	NPAC	 The Subscription Version was created with the status of 'pending'. The Initial and Final Concurrence timer notifications were sent at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.
8.	SP - Conditi onal	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Version created in this test case.	SP	The Subscription Version was created with the status of 'pending'.
9.	SP - Option al	Service Provider Personnel, using either the SOA or LSMS, perform a local query for the Subscription Version created in this test case.	SP	 The Subscription Version was created with the status of 'pending'. The Initial and Final Concurrence timer notifications were received at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.
10.	SP- Conditi onal	If the Service Provider under test supports a separate SOA channel for notifications, verify that all notifications were sent down the appropriate channel configured for notifications.	SP	Notifications were sent using the channel configured for notifications.

Test Case Number:	NANC 201-2	Priority:	Conditional
Objective:	Versions for a range of TI 'SHORT' and 'SP Busine 'Port Out Timer' is set to	Ns when the New ess Hours' is set to 'SHORT' and 'SH	ate Inter-Service Provider Subscription Service Provider 'Port In Timer' is set to 'NORMAL' and the Old Service Provider P Business Hours' is set to 'NORMAL', let the timers expire prior to Old Service Provider

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	R5-19.3, R5-21.1, R5-23.1, R5- 19.5, R5-15.1, R5-20.5, R5-21.6, R5-21.7, R5-18.1, R5-18.3, R518- 4, R5-18.5, R5-18.6, R5-18.7, R5- 22
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	 B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider) B.5.1.4.1 SubscriptionVersion Create: No Create Action from the Old Service Provider SOA After Concurrence Window B.5.1.4.2 SubscriptionVersion Create: No Create Action from the Old Service Provider SOA After Final Concurrence Window

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated						
Execution	Prerequisite	NPAC Setup	SP Setup						
Time:	Setup Time:	Time:	Time:						

I KEKEQUISI	TREREVUSITE								
Prerequisite Test									
Cases:									

Prerequisite NPAC Setup:	1. Verify that for the New Service Provider in this TC, their 'Port-In Timer Type' is set
In AC Setup.	to 'SHORT' in their Customer Profile.
	2. Verify that for the Old Service Provider in this TC, their 'Port-Out Timer Type' is set
	to 'SHORT' in their Customer Profile.
	3. Verify that for the New and Old Service Providers in this TC their 'SP Business
	Hours' are set to 'NORMAL' in their Customer Profile.
	4. Verify the Initial Concurrence Timer and the Final Concurrence Timer are set to their
	lowest possible value, in order to expedite test verification (1 business hour for each tunable).
	5. The Service Provider SOA Notification Channel tunable is set to the service provider's
	production setting. If the service provider supports a separate notification channel,
	they are connected to the NPAC SMS testbed with one channel where the
	notificationDownload function bit is set and another channel that does not have this bit set.
	6. Verify the SOA Supports SV Type and all Optional Data element Indicators are set to
	their production values for the Service Provider under test. In this test case the service
	provider should indicate any Optional Data elements they support and SV Type data
	(if they support it).
	the Service Provider under test.
Prerequisite SP	Verify that the respective NPA-NXX exists for which you are going to create an Inter-
Setup:	Service Provider Subscription Version.

E.	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	 Using their SOA system, Service Provider Personnel take action to create Inter-Service Provider Subscription Versions for a range of TNs. The SOA issues an M-ACTION subscriptionVersionNewSP- Creates in CMIP (or NCRQ – NewSpCreateRequest in XML) for a range of TNs to the NPAC SMS InpSubscriptions object. The following attributes must be specified: subscriptionTN Range subscriptionNewCurrentSP subscriptionNewSP-DueDate (seconds set to zero) subscriptionLNPType subscriptionLNPType – (if supported by the Service Provider SOA) subscriptionCLASS-DPC subscriptionLIDB-DPC 	NPAC	The NPAC SMS receives the Requests from the Service Provider SOA, verifies that the requests are valid, and that all required attributes are included and pass field level validations.

2. NPA	• • • • • • • • • • • • • • • • • • •	subscriptionLIDB-SSN subscriptionCNAM-DPC subscriptionISVM-DPC subscriptionISVM-SSN subscriptionWSMSC-DPC – (if supported by the Service Provider SOA) subscriptionWSMSC-SSN (if supported by the Service Provider SOA) subscriptionNewSPMediumTim er Indicator – if supported by the Service Provider under test following attributes are optional: subscriptionEndUserLocationVa lue subscriptionEndUserLocationTy pe subscriptionOptionalData – all elements supported by the Service Provider SOA • After the NPAC SMS determines the requests are valid it issues an M-CREATE subscriptionVersionNPAC object to itself for each TN in the range. The status is set to 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp and subscriptionCreationTimeStamp s are set to the current date and time. The NPAC SMS proceeds to set the Initial and Final Concurrence Timers for this SVs based on the New Service Provider Port-In Timer Type and SP Business Hours and the Old Service	NPAC	1.	The NPAC SMS receives the M-CREATE requests and issues M-CREATE Responses back to itself indicating the NPAC successfully created the 'pending' SVs as requested by the SOA. The NPAC SMS issues M-ACTION Responses in CMIP (or NCRR – NewSpCreateReply in XML) back to the New Service Provider SOA indicating it successfully processed the Subscription Version Create Requests.
3. NPA	3.	the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp s are set to the current date and time. The NPAC SMS proceeds to set the Initial and Final Concurrence Timers for this SVs based on the New Service Provider Port-In	NPAC	The	XML) back to the New Service Provider SOA indicating it successfully processed the
	1 110	ENT-REPORT objectCreation in	and SP		PORT Confirmations in CMIP (or NOTR –

4.	NPAC	 CMIP (or VOCN – SvObjectCreationNotification in XML) for each TN in the range to the Old Service Provider SOA containing the following attributes for subscriptionVersionNPAC creations: SubscriptionVersionNPAC subscriptionNewCurrentSP SubscriptionNewSP CreationTimeStamp SubscriptionNewSP-DueDate SubscriptionNewSP-DueDate SubscriptionBusinessType – if supported by the Service Provider's SOA SubscriptionNewSPMediumTim erIndicator – if supported by the Service Provider's SOA SubscriptionNewSPMediumTim erIndicator – if supported by the Service Provider's SOA subscriptionNewSPMediumTim erIndicator – if supported by the Service Provider's SOA The NPAC SMS issues an M- EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) for each TN in the range to the New Service Provider SOA containing the following attributes for subscriptionVersionNPAC creation: subscriptionOldSP subscriptionNewCurrentSP subscriptionNewSP- CreationTimeStamp subscriptionNewSP-DueDate subscriptionNewSP-DueDate subscriptionNewSP-DueDate subscriptionNewSP-DueDate subscriptionTimeType – if supported by the Service Provider's SOA 	SP	NotificationReply in XML) back to the NPAC indicating it successfully received the NPAC notifications.
		 subscriptionVersionStatus subscriptionNewSP-DueDate subscriptionTimerType – if supported by the Service Provider's SOA 		
		 supported by the Service Provider's SOA subscriptionVersionNewSPMedi umTimerIndicator – if supported by the Service provider's SOA 		
5.	NPAC	 Wait for the Initial Concurrence Timer to expire. NPAC SMS sends the old service provider SOA an M- EVENT-REPORT in CMIP (or VOIN – 	SP	The old service provider SOA returns an M- EVENT-REPORT confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.

				T
		SvOldSpConcurrenceNotificatio n in XML) indicating the Initial Concurrence Timer has expired and requesting Confirmation.		
6.	NPAC	 Wait for the Final Concurrence Timer to expire. The NPAC SMS issues an M- EVENT-REPORT VOFN – SvOldSpFinalConcurrenceWind owExpirationNotification In XML) for each TN in the range to the Old Service Provider SOA indicating the Final Concurrence Timer has expired. 	SP	The old service provider SOA returns M-EVENT- REPORT confirmations in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
7.	NPAC	NPAC Personnel query for the Subscription Versions created in this test case.	NPAC	 The Subscription Version was created with the status of 'pending'. The Initial and Final Concurrence timer notifications were sent at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.
8.	SP - Conditi onal	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Versions created in this test case.	SP	The Subscription Version was created with the status of 'pending'.
9.	SP - Option al	Service Provider Personnel, using either the SOA or LSMS, perform a local query for the Subscription Versions created in this test case.	SP	 The Subscription Version was created with the status of 'pending'. The Initial and Final Concurrence timer notifications were received at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.
10.	SP- Conditi onal	If the Service Provider under test supports a separate SOA channel for notifications, verify that all notifications were sent down the appropriate channel configured for notifications.	SP	Notifications were sent using the channel configured for notifications.

Test Case Number:	NANC 201-5	Priority:	Conditional
Objective:	Version for a single TN w and 'SP Business Hours' Timer' is set to 'LONG' a	when the New Ser is set to 'NORMA and 'SP Business I	ate an Inter-Service Provider Subscription vice Provider 'Port In Timer' is set to 'SHORT' L' and the Old Service Provider 'Port Out HOURS' is set to 'EXTENDED', let the Initial expire prior to Old Service Provider

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	R5-19.4, R5-21.1, R5-23.1, R5- 19.6, R5-15.1, R5-20.5, R5-21.6, R5-21.7, R5-18.1, R5-18.3, R518- 4, R5-18.5, R5-18.6, R5-18.7, R5- 22
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	 B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider) B.5.1.4.1 SubscriptionVersion Create: No Create Action from the Old Service Provider SOA After Concurrence Window B.5.1.4.2 SubscriptionVersion Create: No Create Action from the Old Service Provider SOA After Final Concurrence Window

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated	
Execution	Prerequisite	NPAC Setup	SP Setup	
Time:	Setup Time:	Time:	Time:	

I KEKEQUISI	IREREQUISITE				
Prerequisite Test					
Cases:					

Prerequisite	1. Verify that for the New Service Provider in this TC, their "Port-In Timer Type' is set
NPAC Setup:	to 'SHORT' and 'SP Business Hours' is set to 'NORMAL' in their Customer Profile.
	2. Verify that for the Old Service Provider in this TC, their 'Port-Out Timer Type' is set
	to 'LONG' and 'SP Business Hours' is set to 'EXTENDED' in their Customer Profile.
	3. Verify the Initial Concurrence Timer and the Final Concurrence Timer are set to their
	lowest possible value, in order to expedite test verification (1 hour for the short
	concurrence timers and 2 hours for the long concurrence timers).
	4. The Service Provider SOA Notification Channel tunable is set to the service provider's
	production setting. If the service provider supports a separate notification channel,
	they are connected to the NPAC SMS testbed with one channel where the
	notificationDownload function bit is set and another channel that does not have this bit
	set.
	5. Verify the SOA Supports SV Type and all Optional Data element Indicators are set to
	their production values for the Service Provider under test. In this test case the service
	provider should indicate any Optional Data elements they support and SV Type data
	(if they support it).
	6. Verify the SOA Supports Medium Timer Indicator is set to the production value for
	the Service Provider under test.
Prerequisite SP	Verify that the respective NPA-NXX exists for which you are going to create an Inter-
Setup:	Service Provider Subscription Version.

E.	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	 Using their SOA system, Service Provider Personnel take action to create an Inter-Service Provider Subscription Version for a single TN. The SOA issues an M-ACTION subscriptionVersionNewSP- Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS InpSubscriptions object. The following attributes must be specified: subscriptionTN subscriptionNewCurrentSP subscriptionNewSP- DueDate (seconds set to zero) subscriptionLNPType subscriptionLNPType – (if supported by the Service Provider SOA) subscriptionCLASS-DPC subscriptionLIDB-DPC subscriptionLIDB-SSN 	NPAC	The NPAC SMS receives the Request from the Service Provider SOA, verifies that the request is valid, and that all required attributes are included and pass field level validations.

		• subscriptionCNAM-DPC		
		 subscriptionCNAM-DFC subscriptionCNAM-SSN 		
		 subscriptionISVM-DPC 		
		 subscriptionISVM-SSN 		
		 subscriptionWSMSC-DPC 		
		- (if supported by the		
		Service Provider SOA)		
		 subscriptionWSMSC-SSN 		
		(if supported by the Service		
		Provider SOA)		
		 subscriptionNewSPMedium 		
		TimerIndicator – if		
		supported by the Service		
		Provider under test.		
		The following attributes are optional:		
		• subscriptionEndUserLocatio		
		nValue		
		• subscriptionEndUserLocatio		
		nType		
		 subscriptionBillingID 		
		• subscriptionOptionalData –		
		all elements supported by		
		the Service Provider SOA		
2.	NPAC	1. After the NPAC SMS	NPAC	1. The NPAC SMS receives the M-CREATE
		determines the request is valid it		request and issues an M-CREATE Response
		issues an M-CREATE		back to itself indicating the NPAC successfully
		subscriptionVersionNPAC to		created the 'pending' Subscription Version as
		itself to create the respective		requested by the SOA.
		Subscription Version object.		2. The NPAC SMS issues an M-ACTION
		2. The status is set to 'pending' and		Response in CMIP (or NCRR –
		the subscriptionModifiedTimeStamp		NewSpCreateReply in XML) back to the New Service Provider SOA indicating it successfully
		and		processed the Subscription Version Create
		subscriptionCreationTimeStamp		Request.
		are set to the current date and		1
		time.		
		3. The NPAC SMS proceeds to set		
		the Initial and Final Concurrence		
		Timers based on the Timer		
		Types and Business Hours set in		
		the Customer Profiles and if both		
		Service Providers indicated in the port request support the		
		the port request support the Medium Timer Indicator, then		
		the		
		NewSPMediumTimerIndicator		
		value is also considered.		
3.	NPAC	The NPAC SMS issues an M-	SP	The Old Service Provider SOA issues an M-
		EVENT-REPORT objectCreation in		EVENT-REPORT Confirmation in CMIP (or NOTR
		CMIP (or VOCN – SyObjectCreationNotification in		- NotificationReply in XML) back to the NPAC
1	1	SvObjectCreationNotification in	1	indicating it successfully received the NPAC
		XML) to the Old Service Provider	ļ ,	
		XML) to the Old Service Provider SOA containing the following		notification.

		attailanta a fam		
		attributes for		
		subscriptionVersionNPAC creation:		
		subscriptionTN		
		 subscriptionOldSP 		
		 subscriptionNewCurrentSP 		
		 subscriptionNewSP- 		
		CreationTimeStamp		
		 subscriptionVersionStatus 		
		 subscriptionNewSP-DueDate 		
		• subscriptionTimerType if		
		supported by the Service		
		Provider's SOA		
		• subscriptionBusinessType - if		
		supported by the Service		
		Provider's SOA		
		 NewSPMediumTimerIndicator – 		
		if supported by the Service		
		Provider's SOA		
4.	NPAC	The NPAC SMS issues an M-	SP	The New Service Provider SOA issues an M-
		EVENT-REPORT objectCreation in		EVENT-REPORT Confirmation in CMIP (or NOTR
		CMIP (or VOCN –		– NotificationReply in XML) back to the NPAC
		SvObjectCreationNotification in		indicating it successfully received the NPAC
		XML) to the New Service Provider		notification.
		SOA containing the following		notineution.
		attributes for		
		subscriptionVersionNPAC creation:		
		 subscriptionTN 		
		 subscriptionOldSP 		
		 subscriptionOtable subscriptionNewCurrentSP 		
		 subscription/vewCurrents/ subscriptionNewSP- 		
		CreationTimeStamp		
		 subscriptionVersionStatus 		
		 subscription version status subscription NewSP-DueDate 		
		1		
		 subscriptionTimerType if 		
		supported by the Service		
		Provider's SOA		
		 subscriptionBusinessType - if 		
		supported by the Service Provider's SOA		
		NewSPMediumTimerIndicator – if supported by the Service		
		if supported by the Service		
5.	NPAC	Provider's SOA	SP	
э.	MPAC	1. Wait for the Initial Concurrence	Sr	The old service provider SOA returns an M-
		Timer to expire.		EVENT-REPORT confirmation in CMIP (or NOTR
		2. NPAC SMS sends the old		– NotificationReply in XML) to the NPAC SMS.
		service provider SOA an M-		
		EVENT-REPORT in CMIP (or		
		VOIN – SvOldSnCongumenceNetificatio		
		SvOldSpConcurrenceNotificatio		
		n in XML) indicating the Initial		
		Concurrence Timer has expired		
		and requesting Confirmation.		

6.	NPAC	 Wait for the Final Concurrence Timer to expire. The NPAC SMS issues an M- EVENT-REPORT in CMIP (or VOFN – SvOldSpFinalConcurrenceWind owExpirationNotification in XML) to the Old Service Provider SOA indicating the Final Concurrence Timer has expired. 	SP	The old service provider SOA returns an M- EVENT-REPORT confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
7.	NPAC	NPAC Personnel query for the Subscription Version created in this test case.	NPAC	 The Subscription Version was created with the status of 'pending'. The Initial and Final Concurrence timer notifications were sent at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.
8.	SP - Conditi onal	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Version created in this test case.	SP	The Subscription Version was created with the status of 'pending'.
9.	SP - Option al	Service Provider Personnel, using either the SOA or LSMS, perform a local query for the Subscription Version created in this test case.		 The Subscription Version was created with the status of 'pending'. The Initial and Final Concurrence timer notifications were received at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.
10.	SP- Conditi onal	If the Service Provider under test supports a separate SOA channel for notifications, verify that all notifications were sent down the appropriate channel configured for notifications.	SP	Notifications were sent using the channel configured for notifications.

Test Case Number:	NANC 201-6	Priority:	Conditional
Objective:	Versions for a range of TI 'SHORT' and their 'SP B 'Port Out Timer' is set to	Ns when the New susiness Hours' is 'LONG' and their and Final Concur	ate Inter-Service Provider Subscription Service Provider 'Port In Timer' is set to set to 'NORMAL' and the Old Service Provider 'SP Business Hours' is set to 'EXTENDED', rrence timers expire prior to Old Service

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	R5-19.4, R5-21.1, R5-23.1, R5- 19.6, R5-15.1, R5-20.5, R5-21.6, R5-21.7, R5-18.1, R5-18.3, R518- 4, R5-18.5, R5-18.6, R5-18.7, R5- 22
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	 B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider) B.5.1.4.1 SubscriptionVersion Create: No Create Action from the Old Service Provider SOA After Concurrence Window B.5.1.4.2 SubscriptionVersion Create: No Create Action from the Old Service Provider SOA After Final Concurrence Window

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated	
Execution	Prerequisite	NPAC Setup	SP Setup	
Time:	Setup Time:	Time:	Time:	

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Prerequisite Test					
Cases:					

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Prerequisite NPAC Setup:	1. Verify that for the New Service Provider in this TC, their "Port-In Timer Type' is set to 'SHORT' and their 'SP Business Hours' is set to 'NORMAL' in their Customer Profile.
	2. Verify that for the Old Service Provider in this TC, their 'Port-Out Timer Type' is set to 'LONG' and their 'SP Business Hours' is set to 'EXTENDED' in their Customer Profile.
	3. Verify the Initial Concurrence Timer and the Final Concurrence Timer are set to their lowest possible value, in order to expedite test verification (1 business hour for each tunable).
	4. The Service Provider SOA Notification Channel tunable is set to the service provider's production setting. If the service provider supports a separate notification channel, they are connected to the NPAC SMS testbed with one channel where the notificationDownload function bit is set and another channel that does not have this bit set.
	 Verify the SOA Supports SV Type and all Optional Data element Indicators are set to their production values for the Service Provider under test. In this test case the service provider should indicate any Optional Data elements they support and SV Type data (if they support it). Verify the SOA Supports Medium Timer Indicator is set to the production value for
	the Service Provider under test.
Prerequisite SP Setup:	Verify that the respective NPA-NXX exists for which you are going to create an Inter- Service Provider Subscription Version.

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	 Using their SOA system, Service Provider Personnel take action to create Inter-Service Provider Subscription Versions for a range of TNs. The SOA issues an M-ACTION subscriptionVersionNewSP- Creates in CMIP (or NCRQ – NewSpCreateRequest in XML) for a range of TNs to the NPAC SMS InpSubscriptions object. The following attributes must be specified: subscriptionTN Range subscriptionNewCurrentSP subscriptionNewCurrentSP subscriptionNewSP- DueDate (seconds set to zero) subscriptionLNPType subscriptionLNPType subscriptionSVType – (if supported by the Service Provider SOA) subscriptionCLASS-DPC subscriptionCLASS-SSN 	NPAC	The NPAC SMS receives the Requests from the Service Provider SOA, verifies that the requests are valid, and that all required attributes are included and pass field level validations.

		 subscriptionLIDB-DPC subscriptionLIDB-SSN subscriptionCNAM-DPC subscriptionISVM-DPC subscriptionISVM-SSN subscriptionWSMSC-DPC (if supported by the Service Provider SOA) subscriptionNewSPMedium TimerIndicator – if supported by the Service Provider under test The following attributes are optional: subscriptionEndUserLocatio nValue subscriptionBillingID subscriptionOptionalData – all elements supported by the Service Provider SOA. 		
2.	NPAC	 After the NPAC SMS determines the requests are valid it issues an M-CREATE subscriptionVersionNPAC object to itself for each TN in the range. The statuses are set to 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp are set to the current date and time. The NPAC SMS proceeds to set the Initial and Final Concurrence Timers based on the Timer Types and Business Hours set in the Customer Profiles and if both Service Providers indicated in the port request support the Medium Timer Indicator, then the 	NPAC	 The NPAC SMS receives the M-CREATE requests and issues M-CREATE Responses back to itself indicating the NPAC successfully created the 'pending' SVs as requested by the SOA. The NPAC SMS issues M-ACTION Responses in CMIP (or NCRR – NewSpCreateReply in XML) back to the New Service Provider SOA indicating it successfully processed the Subscription Version Create Requests.
3.	NPAC	value is also considered. The NPAC SMS issues M-EVENT- REPORT objectCreations in CMIP (or VOCN – SvObjectCreationNotification in	SP	The Old Service Provider SOA issues M-EVENT- REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) back to the NPAC

XML) for each TN in the range to the Old Service Provider SOAindicating it successfully received the NPA notifications.	10
Old Service Provider SOA	4C
containing the following attributes	
for subscriptionVersionNPAC	
creation:	
subscriptionTN	
subscriptionOldSP	
subscriptionNewCurrentSP	
subscriptionNewSP-	
CreationTimeStamp	
subscriptionVersionStatus	
subscriptionNewSP-DueDate	
• subscriptionTimerType if	
supported by the Service	
Provider's SOA	
• subscriptionBusinessType - if	
supported by the Service	
Provider's SOA	
NewSPMediumTimerIndicator –	
if supported by the Service	
Provider under test.	
4. NPAC The NPAC SMS issues an M- SP The New Service Provider SOA issues M-	-EVENT-
EVENT-REPORT objectCreation in REPORT Confirmations in CMIP (or NO	ΓR –
CMIP (or VOCN – NotificationReply in XML) back to the N	
SvObjectCreationNotification in indicating it successfully received the NPA	
XML) for each TN in the range to the notification.	
, 5	
New Service Provider SOA	
containing the following attributes	
for subscriptionVersionNPAC	
creation:	
• subscriptionTN	
subscriptionOldSP	
subscriptionNewCurrentSP	
subscriptionNewSP-	
CreationTimeStamp	
subscriptionVersionStatus	
1 I	
• subscriptionTimerType if	
supported by the Service	
Provider's SOA	
• subscriptionBusinessType - if	
supported by the Service	
Provider's SOA	
subscriptionNewSPMediumTim	
erIndicator – if supported by the	
Service Provider under test	
5. NPAC 1. Wait for the Initial Concurrence SP The old service provider SOA returns M-I	EVENT-
Timer to expire.	
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service provider SOA an M-	
EVENT-REPORT in CMIP (or	
VOIN –	
SvOldSpConcurrenceNotificatio	
n in XML) for each TN in the	

	1			,
		range indicating the Initial		
		Concurrence Timer has expired		
6	NDAC	and requesting Confirmation.	CD	
6.	NPAC	 Wait for the Final Concurrence Timer to expire. The NPAC SMS issues an M- EVENT-REPORT in CMIP (or VOFN – SvOldSpFinalConcurrenceWind owExpirationNotification in XML for each TN in the range to the Old Service Provider SOA indicating the Final Concurrence Timer has expired. 	SP	The old service provider SOA returns M-EVENT- REPORT confirmations in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
7.	NPAC	NPAC Personnel query for the Subscription Versions created in this test case.	NPAC	 The Subscription Versions were created with the status of 'pending'. The Initial and Final Concurrence timer notifications were sent at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.
8.	SP - Conditi onal	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Versions created in this test case.	SP	The Subscription Versions were created with the status of 'pending'.
9.	SP - Option al	Service Provider Personnel, using either the SOA or LSMS, perform a local query for the Subscription Versions created in this test case.		 The Subscription Versions were created with the status of 'pending'. The Initial and Final Concurrence timer notifications were received at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.
10.	SP- Conditi onal	If the Service Provider under test supports a separate SOA channel for notifications, verify that all notifications were sent down the appropriate channel configured for notifications.	SP	Notifications were sent using the channel configured for notifications.

Test Case Number:	NANC 201-9	Priority:	Conditional
Objective:	Version for a single TN w and their 'SP Business Ho Out Timer' is set to 'LON	when the New Ser ours' is set to 'EX' IG' and their 'SP I	ate an Inter-Service Provider Subscription vice Provider 'Port In Timer' is set to 'LONG' TENDED' and the Old Service Provider 'Port Business Hours' is set to 'EXTENDED', let the timers expire prior to Old Service Provider

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	R5-19.4, R5-21.1, R5-23.1, R5- 19.6, R5-15.1, R5-20.5, R5-21.6, R5-21.7, R5-18.1, R5-18.3, R518- 4, R5-18.5, R5-18.6, R5-18.7, R5- 22
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	 B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider) B.5.1.4.1 SubscriptionVersion Create: No Create Action from the Old Service Provider SOA After Concurrence Window B.5.1.4.2 SubscriptionVersion Create: No Create Action from the Old Service Provider SOA After Final Concurrence Window

C. TIME ESTIMATE

	TIME ESTIMATE				
Estimated	Estimated	Estimated	Estimated		
Execution	Prerequisite	NPAC Setup	SP Setup		
Time:	Setup Time:	Time:	Time:		

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Prerequisite Test				
Cases:				

Prerequisite NPAC Setup:	 Verify that for the New Service Provider in this TC, their "Port-In Timer Type' is set to 'LONG' and their 'SP Business Hours' is set to 'EXTENDED' in their Customer Profile. Verify that for the Old Service Provider in this TC, their 'Port-Out Timer Type' is set to 'LONG' and the 'SP Business Hours' is set to 'EXTENDED' in their Customer Profile. Verify the Initial Concurrence Timer and the Final Concurrence Timer are set to their lowest possible value, in order to expedite test verification.
	4. The Service Provider SOA Notification Channel tunable is set to the service provider's production setting. If the service provider supports a separate notification channel, they are connected to the NPAC SMS testbed with one channel where the notificationDownload function bit is set and another channel that does not have this bit set.
	 Verify the SOA Supports SV Type and all Optional Data element Indicators are set to their production values for the Service Provider under test. In this test case the service provider should indicate any Optional Data elements they support and SV Type data (if they support it). Verify the SOA Supports Medium Timer Indicator is set to the production value for the Service Provider under test.
Prerequisite SP Setup:	Verify that the respective NPA-NXX exists for which you are going to create an Inter- Service Provider Subscription Version.

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	 Using their SOA system, Service Provider Personnel take action to create an Inter-Service Provider Subscription Version for a single TN. The SOA issues an M-ACTION subscriptionVersionNewSP- Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS InpSubscriptions object. The following attributes must be specified: subscription Sobject. The following attributes must be specified: 	NPAC	The NPAC SMS receives the Request from the Service Provider SOA, verifies that the request is valid, and that all required attributes are included and pass field level validations.

2. NPAC	 subscriptionLIDB-SSN subscriptionCNAM-DPC subscriptionISVM-DPC subscriptionISVM-SSN subscriptionWSMSC-DPC (if supported by the Service Provider SOA) subscriptionNewSPMedium Timer Indicator – if supported by the Service Provider SOA) subscriptionEndUserLocatio nValue subscriptionBillingID subscriptionOptionalData – all elements supported by the Service Provider SOA After the NPAC SMS determines the request is valid it issues an M-CREATE subscription Version Object. The status is set to 'pending' and the subscriptionCreationTimeStamp and subscriptionCreati	NPAC	 The NPAC SMS receives the M-CREATE request and issues an M-CREATE Response back to itself indicating the NPAC successfully created the 'pending' Subscription Version as requested by the SOA. The NPAC SMS issues an M-ACTION Response in CMIP (or NCRR – NewSpCreateReply in XML) back to the New Service Provider SOA indicating it successfully processed the Subscription Version Create Request.
3. NPAC	The NPAC SMS issues an M- EVENT-REPORT objectCreation in CMIP (or VOCN –	SP	The Old Service Provider SOA issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC
	SvObjectCreationNotification in XML) to the Old Service Provider		indicating it successfully received the NPAC notification.

				1
		SOA containing the following		
		attributes for		
		subscriptionVersionNPAC creation:		
		 subscriptionTN 		
		 subscriptionOldSP 		
		 subscriptionNewCurrentSP 		
		 subscriptionNewSP- 		
		CreationTimeStamp		
		 subscriptionVersionStatus 		
		 subscriptionNewSP-DueDate 		
		 subscriptionTimerType if 		
		supported by the Service		
		Provider's SOA		
		 subscriptionBusinessType - if 		
		supported by the Service		
		Provider's SOA		
		 subscriptionNewSPMediumTim 		
		erIndicator – if supported by the		
		Service Provider's SOA		
4.	NPAC	The NPAC SMS issues an M-	SP	The New Service Provider SOA issues an M-
		EVENT-REPORT objectCreation in		EVENT-REPORT Confirmation in CMIP (or NOTR
		CMIP (or VOCN –		– NotificationReply in XML) back to the NPAC
		SvObjectCreationNotification in		indicating it successfully received the NPAC
		XML) to the New Service Provider		notification.
		SOA containing the following		
		attributes for		
		subscriptionVersionNPAC creation:		
		• subscriptionTN		
		• subscriptionOldSP		
		subscriptionNewCurrentSP		
		• subscriptionNewSP-		
		CreationTimeStamp		
		subscriptionVersionStatus		
		 subscriptionNewSP-DueDate 		
		 subscriptionTimerType if 		
		supported by the Service		
		Provider's SOA		
		• subscriptionBusinessType - if		
		supported by the Service		
		Provider's SOA		
		subscriptionNewSPMediumTim		
		erIndicator – if supported by the		
	ND+C	Service Provider's SOA	CD	
5.	NPAC	1. Wait for the Initial Concurrence	SP	The old service provider SOA returns an M-
		Timer to expire.		EVENT-REPORT confirmation in CMIP (or NOTR
		2. NPAC SMS sends the old		– NotificationReply in XML) to the NPAC SMS.
		service provider SOA an M-		
		EVENT-REPORT in CMIP (or		
		VOIN –		
		SvOldSpConcurrenceNotificatio		
		n in XML) indicating the Initial		
		Concurrence Timer has expired		
		and requesting Confirmation.		

6.	NPAC	 Wait for the Final Concurrence Timer to expire. The NPAC SMS issues an M- EVENT-REPORT in CMIP (or VOFN – SvOldSpFinalConcurrenceWind owExpirationNotification in XML to the Old Service Provider SOA indicating the Final Concurrence Timer has expired. 	SP	The old service provider SOA returns an M- EVENT-REPORT confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
7.	NPAC	NPAC Personnel query for the Subscription Version created in this test case.	NPAC	 The Subscription Version was created with the status of 'pending'. The Initial and Final Concurrence timer notifications were sent at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.
8.	SP - Conditi onal	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Version created in this test case.	SP	The Subscription Version was created with the status of 'pending'.
9.	SP - Option al	Service Provider Personnel, using either the SOA or LSMS, perform a local query for the Subscription Version created in this test case.	SP	 The Subscription Version was created with the status of 'pending'. The Initial and Final Concurrence timer notifications were received at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.
10.	SP- Conditi onal	If the Service Provider under test supports a separate SOA channel for notifications, verify that all notifications were sent down the appropriate channel configured for notifications.	SP	Notifications were sent using the channel configured for notifications.

Test Case Number:	NANC 201-10	Priority:	Conditional
Objective:	Versions for a range of TI 'LONG' and their 'SP Bu Provider 'Port Out Timer	Ns when the New siness Hours' is so ' is set to 'LONG' tial Concurrence a	ate Inter-Service Provider Subscription Service Provider 'Port In Timer' is set to et to 'EXTENDED' and the Old Service and their 'SP Business Hours' is set to and Final Concurrence timers expire prior to ss

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	R5-19.4, R5-21.1, R5-23.1, R5- 19.6, R5-15.1, R5-20.5, R5-21.6, R5-21.7, R5-18.1, R5-18.3, R518- 4, R5-18.5, R5-18.6, R5-18.7, R5- 22
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	 B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider) B.5.14.1 SubscriptionVersion Create: No Create Action from the Old Service Provider SOA After Concurrence Window B.5.1.4.2 SubscriptionVersion Create: No Create Action from the Old Service Provider SOA After Final Concurrence Window

Test Case procedures incorporated into test case 2.2 for Release 3.1.

Test Case Number:	NANC 201-13	Priority:	Conditional
Objective:	for a single TN when the their 'SP Business Hours' Timer' is set to 'LONG' a	New Service Prov is set to 'NORM. and the 'SP Busine	n Inter-Service Provider Subscription Version vider 'Port In Timer' is set to 'SHORT' and AL' and the Old Service Provider 'Port Out ess Hours' is set to 'NORMAL', let the Initial expire prior to Old Service Provider

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	R5-19.4, R5-19.5, R5-21.1, R5- 23.1
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	 B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider) B.5.14.1 SubscriptionVersion Create: No Create Action from the Old Service Provider SOA After Concurrence Window B.5.1.4.2 SubscriptionVersion Create: No Create Action from the Old Service Provider SOA After Final Concurrence Window

C. TIME ESTIMATE

•					
	Estimated	Estimated	Estimated	Estimated	
	Execution	Prerequisite	NPAC Setup	SP Setup	
	Time:	Setup Time:	Time:	Time:	

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that for the New Service Provider in this TC, their "Port-In Timer Type' is set to 'SHORT' and their 'SP Business Hours' are set to 'NORMAL' in their Customer Profile.
	2. Verify that for the Old Service Provider in this TC, their 'Port-Out Timer Type' is set to 'LONG' and their 'SP Business Hours' is set to 'NORMAL' in their Customer Profile.
	3. Verify the Initial Concurrence Timer and the Final Concurrence Timer are set to their lowest possible value, in order to expedite test verification.
	4. Verify the SOA Supports SV Type and all Optional Data element Indicators are set to their production values for the Service Provider under test. In this test case the service provider should indicate any Optional Data elements they support and SV Type data (if they support it).
	5. Verify the SOA Supports Medium Timer Indicator is set to the production value for the Service Provider under test.
Prerequisite SP Setup:	Verify that the respective NPA-NXX exists for which you are going to create an Inter- Service Provider Subscription Version.

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	 Using the NPAC OP GUI, NPAC Personnel acting on behalf of the New Service Provider take action to create an Inter-Service Provider Subscription Version for a single TN. The following attributes must be specified: subscriptionTN subscriptionNewCurrentSP subscriptionNewSP-DueDate (seconds set to zero) subscriptionLNPType subscriptionPortingToOriginal- SP Switch subscriptionSVType – (if supported by the Service Provider SOA) subscriptionLIDB-DPC subscriptionCLASS-SSN subscriptionCNAM-DPC subscriptionSVM-DPC subscriptionSVM-DPC subscriptionSVM-DPC subscriptionSVM-DPC subscriptionSVM-SSN subscriptionWSMSC-SSN (if supported by the Service Provider SOA) subscriptionNewSPMediumTim er Indicator – if supported by the Service Provider SOA) subscriptionEndUserLocationVa lue subscriptionEndUserLocationTy pe subscriptionBillingID subscriptionBillingID subscriptionBillingID subscriptionBillingID subscriptionPred by the Service Provider SOA 	NPAC	 The NPAC SMS issues an M-CREATE subscriptionVersionNPAC to itself to create the respective Subscription Version object. The status is set to 'pending' and the subscriptionCreationTimeStamp and subscriptionCreationTimeStamp are set to the current date and time. The NPAC SMS proceeds to set the Timer Type and the Business Type to 'based on the New Service Provider Port-In Timer Type and SP Business Hours and the Old Service Provider Port-Out Timer Type and SP Business Hours settings in their respective Customer Profiles and if both Service Providers indicated in the port request support the Medium Timer Indicator, then the NewSPMediumTimerIndicator value is also considered. The NPAC SMS issues an M-CREATE Response back to itself indicating the Subscription Version Request successfully resulted in a 'pending' Subscription Version on the NPAC.
2.	NPAC	The NPAC SMS issues an M- EVENT-REPORT objectCreation in CMIP (or VOCN –	SP	The Old Service Provider SOA issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC

	1		1	
1		SvObjectCreationNotification in		indicating it successfully received the NPAC
		XML) to the Old Service Provider		notification.
		SOA containing the following		
		attributes for		
		subscriptionVersionNPAC creation:		
		 subscriptionTN 		
		 subscriptionOldSP 		
		• subscriptionNewCurrentSP		
		 subscriptionNewSP- 		
		CreationTimeStamp		
		subscriptionVersionStatus		
		 subscriptionNewSP-DueDate 		
		 subscriptionTimerType if 		
		supported by the Service		
		Provider's SOA		
		• subscriptionBusinessType - if		
		supported by the Service		
		Provider's SOA		
		• subscriptionNewSPMediumTim		
		erIndicator – if supported by the		
1		Service Provider's SOA		
3.	NPAC	The NPAC SMS issues an M-	SP	The New Service Provider SOA issues an M-
		EVENT-REPORT objectCreation in		EVENT-REPORT Confirmation in CMIP (or NOTR
		CMIP (or VOCN –		– NotificationReply in XML) back to the NPAC
		SvObjectCreationNotification in		indicating it successfully received the NPAC
		XML) to the New Service Provider		notification.
				nouncauon.
		SOA containing the following		
		attributes for		
		subscriptionVersionNPAC creation:		
		 subscriptionTN 		
		 subscriptionOldSP 		
		 subscriptionNewCurrentSP 		
		 subscriptionNewSP- 		
		CreationTimeStamp		
		subscriptionVersionStatus		
		• subscriptionNewSP-DueDate		
		 subscriptionTimerType if 		
		supported by the Service		
		Provider's SOA		
		 subscriptionBusinessType - if supported by the Service 		
		supported by the Service		
		Provider's SOA		
		subscriptionNewSPMediumTim		
1		erIndicator – if supported by the		
L_		Service Provider's SOA	(T)	
4.	NPAC	1. Wait for the Initial Concurrence	SP	The old service provider SOA returns an M-
		Timer to expire.		EVENT-REPORT confirmation in CMIP (or NOTR
1		2. NPAC SMS sends the old		– NotificationReply in XML) to the NPAC SMS.
1		service provider SOA an M-		
		EVENT-REPORT in CMIP (or		
		VOIN –		
		SvOldSpConcurrenceNotificatio		
		n in XML) indicating the Initial		
		, ,		·

			1	1
		Concurrence Timer has expired		
		and requesting Confirmation.		
5.	NPAC	 Wait for the Final Concurrence Timer to expire. The NPAC SMS issues an M- EVENT-REPORT in CMIP (or VOFN – SvOldSpFinalConcurrenceWind owExpirationNotification in XML) to the Old Service Provider SOA indicating the Final Concurrence Timer has expired. 	SP	The old service provider SOA returns an M- EVENT-REPORT confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
6.	NPAC	NPAC Personnel query for the Subscription Version created in this test case.	NPAC	 The Subscription Version was created with the status of 'pending'. The Initial and Final Concurrence timer notifications were sent at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.
7.	SP - Conditi onal	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Version created in this test case.	SP	The Subscription Version was created with the status of 'pending'.
8.	SP - Option al	Service Provider Personnel, using either the SOA or LSMS, perform a local query for the Subscription Version created in this test case.	SP	 The Subscription Version was created with the status of 'pending'. The Initial and Final Concurrence timer notifications were received at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.

Test Case Number:	NANC 201-17	Priority:	Conditional
Objective:	(for which both Service P Provider, when the Timer	roviders have initi Type is set to 'SF ancellation-Initial	Cancellation for a Pending Subscription Version ially concurred to) on behalf of the Old Service IORT' and the Business Hours Type is set to Concurrence and Cancellation-Final

B. REFERENCES

NANC Change		Change Order	NANC 201 – Unique Set of Timers
Order Revision		Number(s):	1
Number:			
NANC FRS	2.0.0	Relevant	RR5-32.1
Version Number:		Requirement(s):	RR5-33.1
NANC IIS	2.0.1	Relevant Flow(s):	B.5.1.4 SubscriptionVersion Create
Version Number:			by Second SOA (Old Service
			Provider) with Authorization to
			Port
			B.5.1.4.3 Subscription Version
			Create: Failure to Receive
			Response from New SOA
			B.5.1.4.4 SubscriptionVersion
			Create: No Create Action from the
			New Service Provider SOA After
			Concurrence Window

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated	
Execution	Prerequisite	NPAC Setup	SP Setup	
Time:	Setup Time:	Time:	Time:	

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that a 'Pending' Subscription Version exists that has the Timer Type set to 'SHORT' and the Business Hours Type set to 'NORMAL', and both Service Providers have concurred to the port.
Prerequisite SP Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	Using the NPAC OP GUI, acting on behalf of the Old Service Provider, issue a Cancellation Request for a single Subscription Version which both Service Providers initially concurred to, and has the Timer Type set to 'SHORT' as well as the Business Hours Type set to 'NORMAL'.	NPAC	 The NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself in order to set the respective Subscription Version status to 'cancel-pending' and set the subscriptionModifiedTimeStamp to the current date and time. The NPAC SMS receives the M-SET Request and issues an M-SET Response back to itself.
2.	NPAC	The NPAC SMS issues an M- EVENT-REPORT	SP	The Old Service Provider SOA issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR

	r	- to state the transfer of the Arestan Street	T	Nutleast and a VARAL 1 of MDAC
		subscriptionVersionStatusAttributeV alueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA to set the Subscription Version status to 'cancel-pending'.		– NotificationReply in XML) back to the NPAC SMS.
3	NPAC	The NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttributeV alueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider SOA to set the Subscription Version status to 'cancel-pending'.	SP	The New Service Provider SOA issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
4.	NPAC	 Wait for the Short Initial Cancellation Window to expire. The NPAC SMS issues an M- EVENT-REPORT in CMIP (or VCAN – SvCancelAckNotification in XML) to the New Service Provider SOA indicating the Initial Cancellation Window has expired. 	SP	The New Service Provider SOA issue an M- EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC indicating it successfully received the NPAC notification.
		1.		
5.	NPAC	Upon expiration of the Final Cancellation window the NPAC sets the status of the subscription version to conflict.	NPAC	 The NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself in order to set the respective Subscription Version status to 'conflict' and set the subscriptionModifiedTimeStamp to the current date and time. The NPAC SMS receives the M-SET Request and issues an M-SET Response back to itself.
6.	NPAC	The NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttributeV alueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA to set the Subscription Version status to 'conflict'.	SP	The Old Service Provider SOA issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
7.	NPAC	The NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttributeV alueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider SOA to set the Subscription Version status to 'conflict'.	SP	The New Service Provider SOA issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
8.	NPAC	NPAC Personnel query for the Subscription Version that they attempted to cancel in this test case.	NPAC	 The Subscription Version exists in a state of 'Conflict'. The Cancellation Initial and Final Cancellation timer notifications were sent at the appropriate

				time based on the 'Timer Type' and 'Business Hours Type'.		
9.	SP – Conditi onal	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Version that NPAC Personnel attempted to cancel in this test case.	SP	The Subscription Version exists in a state of 'Conflict'.		
10.	SP - Option al	Service Provider Personnel, using either the SOA or LSMS, perform a local query for the Subscription Version that NPAC Personnel attempted to cancel in this test case.	SP	 The Subscription Version exists in a state of 'Conflict'. The Cancellation Initial and Final Cancellation timer notifications were sent at the appropriate time based on the 'Timer Type' and 'Business Hours Type'. 		

Test Case Number:	NANC 201-18	Priority:	Conditional					
Objective:	Objective:SOA- Old Service Provider Personnel place a Subscription Version into Conflict, minutes prior to the Subscription Version Due date, the Timer Type is set to 'SHO Business Hours Type is set to 'NORMAL' – Success							

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	RR5-42.5
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.5.4 Subscription Version Conflict by Old Service Provider Explicitly Not Authorizing (First Create)

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated	
Execution	Prerequisite	NPAC Setup	SP Setup	
Time:	Setup Time:	Time:	Time:	
	•			

D. PREREQUISITE

IKEKEQUBI						
Prerequisite Test Cases:	NANC201-1 SOA – New Service Provider Personnel create an Inter-Service Provider Subscription Version for a single TN when the New Service Provider 'Port In Timer' is set to 'SHORT' and 'SP Business Hours' is set to 'NORMAL' and the Old Service Provider					
'Port Out Timer' is set to 'SHORT' and 'SP Business Hours' is set to 'NORI Initial Concurrence and Final Concurrence timers expire prior to Old Service Concurrence – Success						
Prerequisite NPAC Setup:	 Verify that a 'Pending' Subscription Version exists with the Timer Type set to 'SHORT' and Business Type set to 'NORMAL' and the Old Service Provider has not yet issued a respective 'Create' for this SV. Verify that the Final Concurrence Timer has been reached. Verify that the Subscription Version Due Date has not yet been reached. Verify the SOA Supports SV Type, Optional Data support indicators and Medium Timer Support indicator are set to production values for the Service Provider under test. 					
Prerequisite SP Setup:						

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	 After the Conflict Restriction Window and Final Concurrence Timer have expired for a 'Pending' Subscription Version where only the New Service Provider has issued a 'Create', using your SOA or SOA LTI, Old Service Provider Personnel take action to place this Subscription Version into 	NPAC	 The NPAC SMS issues an M-CREATE subscriptionVersionNPAC to itself to create the respective Subscription Version object with a status of 'Conflict'. The NPAC SMS determines that the Timer Type for this Subscription Version is set to 'SHORT', and does not apply the Conflict Restriction Window tunable. The status is set to 'Conflict' and sets the other attribute values from the Old Service

 Conflict, by setting the authorization flag to false. The system issues an old Service Provider Create in CMIP (or OCRQ – OldSpCreateRequest in XML) to place this Subscription Version into Conflict to the NPAC SMS (M-ACTION Request subscriptionVersionOldSP-Create). The following attributes must be specified: subscriptionNewCurrentSP subscriptionOldSP-DueDate (seconds set to zero) subscriptionOldSP-Authorization (SET to 'FALSE') subscriptionOldSPMediumTime rIndicator set to False (if supported)
 2. The system issues an old Service Provider Create in CMIP (or OCRQ - OldSpCreateRequest in XML) to place this Subscription Version into Conflict to the NPAC SMS (M-ACTION Request subscriptionVersionOldSP- Create). The following attributes must be specified: subscriptionNewCurrentSP subscriptionOldSP- SubscriptionOldSP- Authorization (SET to 'FALSE') subscriptionOldSPMediumTime rIndicator set to False (if 2. The NPAC SMS issues an M-CREATE Response back to itself indicating the Subscription Version Request successfully resulted in the Subscription Version being put into Conflict on the NPAC. 3. The NPAC SMS issues an Old Service Provide Create Response (M-ACTION Response) in CMIP (or OCRR – OldSpCreateReply in XMI back to the Old Service Provider system.
 Provider Create in CMIP (or OCRQ – OldSpCreateRequest in XML) to place this Subscription Version into Conflict to the NPAC SMS (M-ACTION Request subscriptionVersionOldSP- Create). The following attributes must be specified: subscriptionNewCurrentSP subscriptionOldSP- SubscriptionOldSP- Create). subscriptionOldSP- DueDate (seconds set to zero) subscriptionCldSP- Authorization (SET to 'FALSE') subscriptionOldSPMediumTime rIndicator set to False (if
 OCRQ – OldSpCreateRequest in XML) to place this Subscription Version into Conflict to the NPAC SMS (M-ACTION Request subscriptionVersionOldSP- Create). The following attributes must be specified: subscriptionNewCurrentSP subscriptionOldSP- DueDate (seconds set to zero) subscriptionLNPType subscriptionLNPType subscriptionOldSPMediumTime rIndicator set to False (if SubscriptionOldSPMediumTime rIndicator set to False (if
 XML) to place this Subscription Version into Conflict to the NPAC SMS (M-ACTION Request subscriptionVersionOldSP- Create). The following attributes must be specified: subscriptionNewCurrentSP subscriptionOldSP-DueDate (seconds set to zero) subscriptionLNPType subscriptionStausChangeCause Code subscriptionOldSPMediumTime rIndicator set to False (if XML) to place this Subscription Version into Conflict to the NPAC SMS (M-ACTION Request The NPAC SMS issues an Old Service Provide (reate Response (M-ACTION Response) in CMIP (or OCRR – OldSpCreateReply in XMI back to the Old Service Provider system.
 Version into Conflict to the NPAC SMS (M-ACTION Request subscriptionVersionOldSP- Create). The following attributes must be specified: subscriptionTN subscriptionOldSP subscriptionOldSP-DueDate (seconds set to zero) subscriptionOldSP- Authorization (SET to 'FALSE') subscriptionOldSPMediumTime rIndicator set to False (if
 Version into Conflict to the NPAC SMS (M-ACTION Request subscriptionVersionOldSP- Create). The following attributes must be specified: subscriptionTN subscriptionOldSP subscriptionOldSP-DueDate (seconds set to zero) subscriptionOldSP- Authorization (SET to 'FALSE') subscriptionOldSPMediumTime rIndicator set to False (if
Request Create Response (M-ACTION Response) in subscriptionVersionOldSP- CMIP (or OCRR – OldSpCreateReply in XMI back to the Old Service Provider system. The following attributes must be specified: subscriptionTN subscriptionNewCurrentSP subscriptionOldSP-DueDate (seconds set to zero) subscriptionOldSP-Authorization (SET to 'FALSE') subscriptionStatusChangeCause Code subscriptionOldSPMediumTime rIndicator set to False (if subscriptionOldSPMediumTime
Request Create Response (M-ACTION Response) in subscriptionVersionOldSP- CMIP (or OCRR – OldSpCreateReply in XMI back to the Old Service Provider system. The following attributes must be specified: subscriptionTN subscriptionNewCurrentSP subscriptionOldSP-DueDate (seconds set to zero) subscriptionOldSP-Authorization (SET to 'FALSE') subscriptionStatusChangeCause Code subscriptionOldSPMediumTime rIndicator set to False (if subscriptionOldSPMediumTime
subscription VersionOldSP- Create). CMIP (or OCRR – OldSpCreateReply in XML back to the Old Service Provider system. The following attributes must be specified: back to the Old Service Provider system. subscriptionTN subscriptionNewCurrentSP subscriptionOldSP subscriptionOldSP-DueDate (seconds set to zero) subscriptionOldSP- Authorization (SET to 'FALSE') rFALSE') subscriptionOldSPMediumTime rIndicator set to False (if subscriptionOldSPMediumTime
Create). back to the Old Service Provider system. The following attributes must be specified: back to the Old Service Provider system. subscriptionTN subscriptionNewCurrentSP subscriptionOldSP subscriptionOldSP-DueDate (seconds set to zero) subscriptionOldSP-Authorization (SET to 'FALSE') subscriptionStatusChangeCause Code subscriptionOldSPMediumTime rIndicator set to False (if subscriptionOldSPMediumTime
The following attributes must be specified: • subscriptionTN • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionOldSP-DueDate (seconds set to zero) • subscriptionOldSP-Authorization (SET to 'FALSE') • subscriptionLNPType • subscriptionOldSPMediumTime rIndicator set to False (if
 specified: subscriptionTN subscriptionNewCurrentSP subscriptionOldSP subscriptionOldSP-DueDate (seconds set to zero) subscriptionOldSP- Authorization (SET to 'FALSE') subscriptionLNPType subscriptionStatusChangeCause Code subscriptionOldSPMediumTime rIndicator set to False (if
 subscriptionTN subscriptionNewCurrentSP subscriptionOldSP subscriptionOldSP-DueDate (seconds set to zero) subscriptionOldSP- Authorization (SET to 'FALSE') subscriptionLNPType subscriptionStatusChangeCause Code subscriptionOldSPMediumTime rIndicator set to False (if
 subscriptionNewCurrentSP subscriptionOldSP subscriptionOldSP-DueDate (seconds set to zero) subscriptionOldSP Authorization (SET to 'FALSE') subscriptionLNPType subscriptionStatusChangeCause Code subscriptionOldSPMediumTime rIndicator set to False (if
 subscriptionOldSP subscriptionOldSP-DueDate (seconds set to zero) subscriptionOldSP- Authorization (SET to 'FALSE') subscriptionLNPType subscriptionStatusChangeCause Code subscriptionOldSPMediumTime rIndicator set to False (if
 subscriptionOldSP-DueDate (seconds set to zero) subscriptionOldSP- Authorization (SET to 'FALSE') subscriptionLNPType subscriptionStatusChangeCause Code subscriptionOldSPMediumTime rIndicator set to False (if
 (seconds set to zero) subscriptionOldSP- Authorization (SET to 'FALSE') subscriptionLNPType subscriptionStatusChangeCause Code subscriptionOldSPMediumTime rIndicator set to False (if
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 subscriptionStatusChangeCause Code subscriptionOldSPMediumTime rIndicator set to False (if
Code • subscriptionOldSPMediumTime rIndicator set to False (if
rIndicator set to False (if
rIndicator set to False (if
2. NPAC The NPAC SMS issues a SP The Old Service Provider system issues a
Notification in CMIP (or VOCN – Notification Response (M-EVENT-REPORT
SvObjectCreationNotification in Confirmation) in CMIP (or NOTR –
XML) to the Old Service Provider NotificationReply in XML) back to the NPAC SMS
system indicating the respective
Subscription Version was created and
has a status of 'Conflict' (M-
EVENT-REPORT objectCreation).
3 NPAC The NPAC SMS issues a SP The New Service Provider system issues a
The first field build bu
Notification in CMIP (or VOCN – Notification Response (M-EVENT-REPORT SvObjectCreationNotification in Confirmation) in CMIP (or NOTR –
system indicating the respective
Subscription Version was created and has a status of 'Conflict' (M
has a status of 'Conflict' (M-
EVENT-REPORT objectCreation).
4. NPAC NPAC Personnel query for the NPAC 1. The Subscription Version exists with a status of the Subscription exists with a status of the Subscription exists with a status of the Subs
Subscription Version that the Old 'Conflict'.
Service Provider issued a 'Create 2. The Initial and Final Concurrence timer
Request' for in this Test Case. notifications were sent at the appropriate time
based on the 'Timer Type' and 'Business Hour
Type'.
5. SP - Service Provider Personnel, using SP The Subscription Version exists with a status of
5. SP - Conditi onal Service Provider Personnel, using either the SOA/SOA LTI or LSMS, SP The Subscription Version exists with a status of 'Conflict'.
5. SP - Conditi onal Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform a query for the Subscription SP The Subscription Version exists with a status of 'Conflict'.
5. SP - Conditi onal Service Provider Personnel, using either the SOA/SOA LTI or LSMS, SP The Subscription Version exists with a status of 'Conflict'.

6.	SP - Option al	Service Provider Personnel, using either the SOA or LSMS, perform a local query for the Subscription Version that they issued a 'Create Request' for in this Test Case.	SP	The Subscription Version exists with a status of 'Conflict'. The Initial and Final Concurrence timer notifications were received at the appropriate time based on the 'Timer Type' and 'Business
				Hours Type'.

Test Case Number:	NANC 201-21	Priority:	Conditional
Objective:	Timer Type is set to 'LON	NG' and Business ce Timers have ex	ee a Subscription Version into Conflict when the Hours Type is set to 'EXTENDED' (neither the spired and it's prior to the Conflict Restriction

B. REFERENCES

Change Order	NANC 201 – Unique Set of Timers
Number(s):	1
Relevant	
Requirement(s):	
Relevant Flow(s):	B.5.5.4 Subscription Version
	Conflict by Old Service Provider
	Explicitly Not Authorizing (First
	Create)
	Number(s): Relevant

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated	
Execution	Prerequisite	NPAC Setup	SP Setup	
Time:	Setup Time:	Time:	Time:	

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	 Verify that a 'Pending' Subscription Version exists with the Timer Type set to 'LONG' and Business Hours Type is set to 'EXTENDED' and the Old Service Provider has not yet issued a respective 'Create' for this SV. Verify that the Conflict Restriction Window has been reached. Verify that the Final (T1 Timer) has not expired. Verify that the Subscription Version Due Date has not yet been reached. Verify the SOA Supports SV Type, Optional Data support indicators and Medium Timer Support indicator are set to production values for the Service Provider under test.
Prerequisite SP Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result	
1.	SP	 Prior to the Initial and Final Concurrence Timers expiration for a 'Pending' Subscription Version where only the New Service Provider has issued a 'Create', using your SOA, Old Service Provider Personnel take action to place this Subscription Version into Conflict. The system issues an Old Service Provider Create in CMIP (or OCRQ – OldSpCreateRequest in XML) to 	NPAC	 The NPAC SMS receives a Request to create the respective Subscription Version object with a status of 'Conflict'. The NPAC SMS determines that the Timer Type for this Subscription Version is set to 'LONG', and neither the Initial or Final Concurrence Timers have expired, and allows the Old Service Provider to place the Subscription Version into Conflict. The status is set to 'Conflict' and sets the other attribute values from the Old Service Provider Create Request to put this SV in Conflict. 	

	NBAC	 place this Subscription Version into Conflict to the NPAC SMS (M-ACTION Request subscriptionVersionOldSP- Create). The following attributes must be specified: subscriptionTN subscriptionNewCurrentSP subscriptionOldSP subscriptionOldSP-DueDate (seconds set to zero) subscriptionOldSP- Authorization (SET to 'FALSE') subscriptionOldSPMediumTime rIndicator set to False (if supported) 	SD	4. The NPAC SMS issues an Old Service Provider Create Response (M-ACTION Response) in CMIP (or OCRR – OldSpCreateReply in XML) back to the Old Service Provider system.
2.	NPAC	The NPAC SMS issues a Notification in CMIP (or VOCN – SvObjectCreationNotification in XML) to the Old Service Provider system indicating the respective Subscription Version was created and has a status of 'Conflict' (M- EVENT-REPORT objectCreation).)	SP	The Old Service Provider system issues a Notification Response (M-EVENT-REPORT Confirmation) in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
3	NPAC	The NPAC SMS issues a Notification in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New Service Provider system indicating the respective Subscription Version was created and has a status of 'Conflict' (M- EVENT-REPORT objectCreation).	SP	The New Service Provider system issues a Notification Response (M-EVENT-REPORT Confirmation) in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
4.	NPAC	NPAC Personnel query for the Subscription Version that the Old Service Provider issued a 'Create Request' for in this Test Case.	NPAC	The Subscription Version exists with a status of 'Conflict'.
5.	SP - Conditi onal	Service Provider Personnel, using either their SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Version that they issued a 'Create Request' for in this Test Case.	SP	The Subscription Version exists with a status of 'Conflict'.
6.	SP - Option al	Service Provider Personnel, using either their SOA or LSMS, perform a local query for the Subscription Version that they issued a 'Create Request' for in this Test Case.	SP	The Subscription Version exists with a status of 'Conflict'.

Test Case Number:	NANC 201-23	Priority:	Conditional		
Objective:	SOA – Old Service Provider Personnel place a Subscription Version into Conflict when the Timer Type is set to 'LONG' and the Business Hours Type is set to 'EXTENDED' (the Old Service Provider initially concurred to this port and is now placing it into conflict - the Conflict Restriction Window has been reached) – Error				

B. REFERENCES

KEFEREIUCED	•		
NANC Change		Change Order	NANC 201 – Unique Set of Timers
Order Revision		Number(s):	1
Number:			
NANC FRS	2.0.0	Relevant	RR5-50, RR5-51
Version Number:		Requirement(s):	
NANC IIS	2.0.1	Relevant Flow(s):	B.5.2.3 Subscription Version
Version Number:			Modify Prior to Activate Using M-
			ACTION

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated					
Execution	Prerequisite	NPAC Setup	SP Setup					
Time:	Setup Time:	Time:	Time:					
	-		-					

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	 Verify that a 'Pending' Subscription Version exists with the Timer Type set to 'LONG' and the Business Hours Type set to 'EXTENDED'. Verify that both Service Providers have issued the initial 'Create Request' for this SV. Verify that the Conflict Restriction Window has been reached. Verify that the Subscription Version Due Date has not yet been reached.
Prerequisite SP Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	 Prior to the Subscription Version Due Date, and after the Old and New Service Provider have issued their initial Subscription Version Create Requests, Old Service Provider Personnel issue a Subscription Version Modify Request to the NPAC SMS to place this 'Pending' Subscription Version into Conflict. The Old Service Provider system issues a Subscription Version Modify Request (M-ACTION Request subscriptionVersionModify) in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS by specifying a 	NPAC	 The NPAC SMS receives the Subscription Version Modify Request from the Old Service Provider System. The NPAC SMS determines that the Timer Type for this Subscription Version is set to 'LONG', that neither the Initial or Final Concurrence Timers exist, and that the Conflict Restriction Window has expired (this violates system requirements). The NPAC SMS rejects the Subscription Version Modify Request and issues an Error Response (M-ACTION Error Response) in CMIP (or MODR - ModifyReply in XML) back to the Old Service Provider system indicating the reason for failure.

2.	NPAC	 single TN and the version status or by specifying the Version ID to be modified. 3. The following attributes may be modified: subscriptionOldSP-DueDate (seconds set to zeros) subscriptionOldSP- Authorization (SET to 'FALSE') subscriptionStatusChangeCause Code NPAC Personnel query for the Subscription Version that Old Service Provider Personnel attempted to place into Conflict in this Test Case. 	NPAC	The Subscription Version exists with a status of 'Pending'.
3.	SP - Conditi onal	Old Service Provider Personnel, using either their SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Version that they attempted to place into Conflict in this Test Case.	SP	The Subscription Version exists with a status of 'Pending'.
4.	SP - Option al	Old Service Provider Personnel, using either their SOA or LSMS, perform a local query for the Subscription Version that they attempted to place into Conflict in this Test Case.	SP	The Subscription Version exists with a status of 'Pending'.

Test Case Number:	NANC 201-25	Priority:	Conditional			
Objective:	SOA – New Service Prov	SOA – New Service Provider Personnel remove a Subscription Version from Conflict				
	when the Timer Type is set to 'LONG' and the Business Hours Type is set to					
	'EXTENDED' (after the Conflict Resolution New Service Provider Restriction Tunable					
	has expired). The cause of	code is currently se	et to either 52, 53 or 54.– Success			

B. REFERENCES

REFERENCES			
NANC Change Order Revision Number:		Change Order Number(s):	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	R5-46, R5-47, R5-50.1, R50.2, RR5-12.1, RR5-12.3, RR5-12.4, RR5-12.5, RR5-14, RR5-138
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.5.2 Subscription Version Conflict Removal by the New Service Provider SOA

C. TIME ESTIMATE

Estimated		Estimated		Estimated		Estimated		
Execution		Prerequisite		NPAC Setup		SP Setup		
Time:		Setup Time:		Time:		Time:		

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	 Verify that a Subscription Version in 'Conflict' status exists with the Timer Type set to 'LONG' and Business Hours Type set to 'EXTENDED'. Verify that both Service Providers have issued the initial Subscription Version Create for this SV. Verify that the Conflict Resolution New Service Provider Restriction Tunable has expired. The cause code on the subscription version to be used in this test case is set to either 52, 53 or 54. The Service Provider SOA Notification Channel tunable is set to the service provider's production setting. If the service provider supports a separate notification channel, they are connected to the NPAC SMS testbed with one channel where the notificationDownload function bit is set and another channel that does not have this bit set.
Prerequisite SP Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. New Service Provider Personnel take action to remove a Subscription Version from Conflict, after the Conflict Resolution New Service Provider Restriction Tunable has expired.	NPAC	 The NPAC SMS receives the Request from the New Service Provider SOA. The NPAC verifies that the New Service Provider Restriction Tunable has expired. The NPAC SMS issues an M-SET Request to itself and updates the Subscription Version status to 'Pending'.

		2. The New Service Provider		4. The NPAC SMS issues an M-SET Response to
		System issues an M-ACTION Request subscriptionVersionRemovalFro mConflict in CMIP (or RFCQ – RemoveFromConflictRequest in XML) by specifying the Subscription Version TN or the Subscription Version ID.		 itself. 5. The NPAC SMS issues an M-ACTION Response in CMIP (or RFCR – RemoveFromConflictReply in XML) back to the New Service Provider SOA indicating it successfully processed the request.
2.	NPAC	The NPAC SMS issues an M- EVENT-REPORT subscription VersionStatusAttributeV alueChange in CMIP (not available over the XML interface, but attributes are included in the message sent in step 4 below) to the New Service Provider SOA, to update the Subscription Version status to 'Pending'.	SP	The New Service Provider SOA issues an M- EVENT-REPORT Confirmation in CMIP (not available over the XML interface, but confirmation is included in the message sent in step 4 below) back to the NPAC.
3.	NPAC	The NPAC SMS issues an M- EVENT-REPORT subscription VersionStatusAttributeV alueChange in CMIP (not available over the XML interface, but attributes are included in the message sent in step 5 below) to the Old Service Provider SOA to update the Subscription Version status to 'Pending'.	SP	The Old Service Provider SOA issues an M- EVENT-REPORT Confirmation in CMIP (not available over the XML interface, but confirmation is included in the message sent in step 5 below) back to the NPAC.
4.	NPAC	The NPAC SMS issues an M- EVENT-REPORT subscriptionVersionAttributeValueC hange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider SOA to update the Old Service Provider Authorization to 'TRUE' in CMIP (or Provider Authorization to 'TRUE' and status to 'Pending' in XML).	SP	The New Service Provider SOA issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC.
5.	NPAC	The NPAC SMS issues an M- EVENT-REPORT subscriptionVersionAttributeValueC hange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA to update the Old Service Provider Authorization to 'TRUE' in CMIP (or Provider Authorization to 'TRUE' and status to 'Pending' in XML).	SP	The Old Service Provider SOA issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC.
6.	NPAC	NPAC Personnel query for the Subscription Version that was removed from Conflict in this Test Case.	NPAC	The Subscription Version exists with a status of 'Pending'.

7.	SP - Conditi onal	Service Provider Personnel, using either their SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Version that was removed from Conflict in this Test Case.	SP	The Subscription Version exists with a status of 'Pending'.
8.	SP - Option al	Service Provider Personnel, using either their SOA or LSMS, perform a local query for the Subscription Version that was removed from Conflict in this Test Case.	SP	The Subscription Version exists with a status of 'Pending'.
9.	SP- Conditi onal	If the Service Provider under test supports a separate SOA channel for notifications, verify that all notifications were sent down the appropriate channel configured for notifications.	SP	Notifications were sent using the channel configured for notifications.

Test Case Number:	NANC 201-30	Priority:	Conditional
Objective:	Cancellation for a Pendin concurred to, when the Ti	g Subscription Ve mer Type is set to ancellation-Initial	on behalf of the Old Service Provider, issue a rsion that the New Service Provider has 'LONG' and Business Hours Type is set to Concurrence and Cancellation-Final

B. REFERENCES

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NANC Change Order Revision Number:		Change Order Number(s):	NANC 201 – Unique Set of Timers
NANC FRS	2.0.0	Relevant	RR5-32.1
Version Number:		Requirement(s):	RR5-33.1
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.3.1 SubscriptionVersion Cancel by Service Provider SOA After Both Service Provider SOAs Have Concurred B.5.3.2SubscriptionVersionCancel: No Acknowledgment from a SOA B.5.5.1 SubscriptionVersion Conflict by the NPAC SMS

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated	
Execution	Prerequisite	NPAC Setup	SP Setup	
Time:	Setup Time:	Time:	Time:	

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that a 'Pending' Subscription Version exists that has the Timer Type set to 'LONG' and the Business Hours Type set to 'NORMAL', and both Service Providers have concurred to the port.
Prerequisite SP Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	 Using the NPAC OP GUI, acting on behalf of the Old Service Provider, issue a Cancellation Request for a single Subscription Version which both Service Providers initially concurred to, and has the Timer Type set to 'LONG' and the Business Hours Type set to 'NORMAL'. The NPAC SMS issues an M- SET Request subscriptionVersionNPAC to itself in order to set the respective Subscription Version 	NPAC	The NPAC SMS receives the M-SET Request and issues an M-SET Response back to itself.

	1		1	1
		status to 'cancel-pending' and		
		set the		
		subscriptionModifiedTimeStamp		
2.	NPAC	to the current date and time.	SP	
2.	NPAC	The NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttributeV alueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA to set the Subscription Version status to 'cancel-pending'.	SF	The Old Service Provider SOA issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
3.	NPAC	The NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttributeV alueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider SOA to set the Subscription Version status to 'cancel-pending'.	SP	The New Service Provider SOA issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
4.	NPAC	 Wait for the Long Initial Cancellation Concurrence Timer to expire. The NPAC SMS issues an M- EVENT-REPORT in CMIP (or VCAN – SvCancelAckNotification in XML) to the New Service Provider SOA indicating the Initial Cancellation Window has expired. 	SP	The New Service Provider SOA issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC indicating it successfully received the NPAC notification.
6.	NPAC	Upon expiration of the Final Cancellation window the NPAC sets the status of the subscription version to conflict.	NPAC	 The NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself in order to set the respective Subscription Version status to 'conflict' and set the subscriptionModifiedTimeStamp to the current date and time. The NPAC SMS receives the M-SET Request and issues an M-SET Response back to itself.
7.	NPAC	The NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttributeV alueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA to set the Subscription Version status to 'conflict'.	SP	The Old Service Provider SOA issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
8.	NPAC	The NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttributeV alueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service	SP	The New Service Provider SOA issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.

		Provider SOA to set the Subscription Version status to 'conflict'.		
9.	NPAC	NPAC Personnel query for the Subscription Version that they attempted to cancel in this test case.	NPAC	 The Subscription Version exists in a state of 'Conflict'. The Initial and Final Cancellation Concurrence timer notifications were sent at the appropriate time based on the 'Timer Type' and Business Hours Type'.
10.	SP - Conditi onal	Service Provider Personnel, using either their SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Version that NPAC Personnel attempted to cancel in this test case.	SP	The Subscription Version exists in a state of 'Conflict'.
11.	SP - Option al	Service Provider Personnel, using either their SOA or LSMS, perform a local query for the Subscription Version that NPAC Personnel attempted to cancel in this test case.	SP	 The Subscription Version exists in a state of 'Conflict'. The Initial and Final Cancellation Concurrence timer notifications were sent at the appropriate time based on the 'Timer Type' and Business Hours Type'.

Test Case Number:	NANC 201-31 Priority: Conditional		Conditional	
Objective:	SOA – Old Service Provider Personnel place a Subscription Version into Conflict when the Timer Type is set to 'SHORT' and Business Hours Type is set to 'NORMAL' (neither the			
	Initial or Final Concurren	ce Timers have ex	pired) – Success	

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.5.4 Subscription Version Conflict by Old Service Provider Explicitly Not Authorizing (First Create)

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated	
Execution	Prerequisite	NPAC Setup	SP Setup	
Time:	Setup Time:	Time:	Time:	

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	 Verify that a 'Pending' Subscription Version exists with the Timer Type set to 'SHORT' and Business Hours Type set to 'NORMAL' and the Old Service Provider has not yet issued a respective 'Create' for this SV. Verify that the Initial Concurrence Timer has not expired. Verify that the Subscription Version Due Date has not yet been reached. Verify the SOA Supports SV Type, Optional Data support indicators and Medium Timer Support indicator are set to production values for the Service Provider under test.
Prerequisite SP Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	 Prior to the Initial and Final Concurrence Timers expiration for a 'Pending' Subscription Version where only the New Service Provider has issued a 'Create', using your SOA Old Service Provider Personnel take action to place this Subscription Version into Conflict. The system issues an old Service Provider Create in CMIP (or OCRQ – OldSpCreateRequest in XML) to place this Subscription Version into Conflict to the NPAC SMS (M-ACTION 	NPAC	 The NPAC SMS issues a Request to itself to create the respective Subscription Version object with a status of 'Conflict'. The NPAC SMS determines that the Timer Type for this Subscription Version is set to 'SHORT', and neither the Initial or Final Concurrence Timers have expired, and allows the Old Service Provider to place the SV into Conflict. The status is set to 'Conflict' and sets the other attribute values from the Old Service Provider Create Request to put this Subscription Version in Conflict. The NPAC SMS issues an M-CREATE Response back to itself indicating the

		Request subscriptionVersionOldSP- Create).The following attributes must be specified:• subscriptionTN• subscriptionNewCurrentSP• subscriptionOldSP• subscriptionOldSP-DueDate (seconds set to zero)• subscriptionOldSP- Authorization (SET to 'FALSE')• subscriptionStatusChangeCause Code• subscriptionOldSPMediumTime rIndicator set to False (if supported)		 Subscription Version Request successfully resulted in the Subscription Version being put into conflict on the NPAC. The NPAC SMS issues an Old Service Provider Create Response (M-ACTION Response) in CMIP (or OCRR – OldSpCreateReply in XML) back to the Old Service Provider system.
2.	NPAC	The NPAC SMS issues a Notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider system indicating the respective Subscription Version was created and has a status of 'Conflict' (M- EVENT-REPORT objectCreation).	SP	The Old Service Provider system issues a Notification Response (M-EVENT-REPORT Confirmation) in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
3	NPAC	The NPAC SMS issues a Notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider system indicating the respective Subscription Version was created and has a status of 'Conflict' (M-EVENT-REPORT objectCreation).	SP	The New Service Provider system issues a Notification Response (M-EVENT-REPORT Confirmation) in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
4.	NPAC	NPAC Personnel query for the Subscription Version that the Old Service Provider issued a 'Create Request' for in this Test Case.	NPAC	The Subscription Version exists with a status of 'Conflict'.
5.	SP - Conditi onal	Service Provider Personnel, using either their SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Version that they issued a 'Create Request' for in this Test Case.	SP	The Subscription Version exists with a status of 'Conflict'.
6.	SP - Option al	Service Provider Personnel, using either their SOA or LSMS, perform a local query for the Subscription Version that they issued a 'Create Request' for in this Test Case.	SP	The Subscription Version exists with a status of 'Conflict'.

Test Case Number:	NANC 201-33	Priority:	Conditional
Objective:	SOA – Old Service Provider Personnel place a Subscription Version into Conflict when the		
	Timer Type is set to 'LONG' and Business Hours Type is set to 'NORMAL' (the Old		
	Service Provider initially concurred to this port and is now placing it into conflict – the		
	Conflict Restriction Wind	low has been reacl	ned) – Error

B. REFERENCES

KEFEREIUCED	•		
NANC Change		Change Order	NANC 201 – Unique Set of Timers
Order Revision		Number(s):	1
Number:			
NANC FRS	2.0.0	Relevant	RR5-50, RR5-51
Version Number:		Requirement(s):	
NANC IIS	2.0.1	Relevant Flow(s):	B.5.2.3 Subscription Version
Version Number:			Modify Prior to Activate Using M-
			ACTION

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated	
Execution	Prerequisite	NPAC Setup	SP Setup	
Time:	Setup Time:	Time:	Time:	
,)	•			

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	 Verify that a 'Pending' Subscription Version exists with the Timer Type set to 'LONG' and the Business Hours Type set to 'NORMAL'. Verify that both Service Providers have issued the initial 'Create Request' for this SV. Verify that the Conflict Restriction Window has been reached. Verify that the Subscription Version Due Date has not yet been reached. Verify the SOA Supports SV Type, Optional Data support indicators and Medium Timer Support indicator are set to production values for the Service Provider under test.
Prerequisite SP Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	 Prior to the Subscription Version Due Date, and after the Old and New Service Provider have issued their initial Subscription Version Create Requests, Old Service Provider Personnel issue a Subscription Version Modify Request to the NPAC SMS to place this 'Pending' Subscription Version into Conflict. The Old Service Provider system issues a Subscription Version Modify Request (M-ACTION Request subscriptionVersionModify) in 	NPAC	 The NPAC SMS receives the Subscription Version Modify Request from the Old Service Provider System. The NPAC SMS determines that the Timer Type for this Subscription Version is set to 'LONG', that neither the Initial or Final Concurrence Timers exist, and that the Conflict Restriction Window has expired (this violates system requirements). The NPAC SMS rejects the Subscription Version Modify Request and issues an Error Response (M-ACTION Error Response) in CMIP (or MODR - ModifyReply in XML) back to the Old Service Provider system indicating the reason for failure (invalid data value).

		 CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS by specifying a single TN and the version status or by specifying the Version ID to be modified. The following attributes may be modified: subscriptionOldSP-DueDate (seconds set to zeros) subscriptionOldSP- Authorization (SET to 'FALSE') subscriptionOldSPMediumTime rIndicator set to False (if supported) 		
2.	NPAC	NPAC Personnel query for the Subscription Version that Old Service Provider Personnel attempted to place into conflict in this Test Case.	NPAC	The Subscription Version exists with a status of 'Pending'.
3.	SP - conditi onal	Old Service Provider Personnel, using either their SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Version that they attempted to place into conflict in this Test Case.	SP	The Subscription Version exists with a status of 'Pending'.
4.	SP - Option al	Old Service Provider Personnel, using either their SOA or LSMS, perform a local query for the Subscription Version that they attempted to place into conflict in this Test Case.	SP	The Subscription Version exists with a status of 'Pending'.

Test Case Number:	NANC 201-35	Priority: Conditional			
Objective:	SOA – New Service Provider Personnel remove a Subscription Version from Conflict when the Timer Type is set to 'LONG' and Business Hours Type is set to 'NORMAL'				
	(after the Conflict Resolution New Service Provider Restriction Tunable has expired). The cause code is currently set to either 52, 53 or 54.– Success				

B. REFERENCES

REFERENCES			
NANC Change		Change Order	NANC 201 – Unique Set of Timers
Order Revision		Number(s):	1
Number:			
NANC FRS	2.0.0	Relevant	R5-46, R5-47, R5-50.1, R50.2,
Version Number:		Requirement(s):	RR5-12.1, RR5-12.3, RR5-12.4,
			RR5-12.5, RR5-14, RR5-138
NANC IIS	2.0.1	Relevant Flow(s):	B.5.5.2 Subscription Version
Version Number:			Conflict Removal by the New
			•
			Service Provider SOA

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated	
Execution	Prerequisite	NPAC Setup	SP Setup	
Time:	Setup Time:	Time:	Time:	

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	 Verify that a Subscription Version in 'Conflict' status exists with the Timer Type set to 'LONG' and Business Hours Type set to 'NORMAL'. Verify that both Service Providers have issued the initial Subscription Version Create for this SV. Verify that the Conflict Resolution New Service Provider Restriction Tunable has expired. The cause code on the subscription version to be used in this test case is set to either 52, 53, or 54. The Service Provider SOA Notification Channel tunable is set to the service provider's production setting. If the service provider supports a separate notification channel, they are connected to the NPAC SMS testbed with one channel where the notificationDownload function bit is set and another channel that does not have this bit set.
Prerequisite SP Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. New Service Provider Personnel take action to remove a Subscription Version from Conflict, after the Conflict Resolution New Service Provider Restriction Tunable has expired.	NPAC	 The NPAC SMS receives the Request from the New Service Provider SOA. The NPAC verifies that the New Service Provider Restriction Tunable has expired. The NPAC SMS issues an M-SET Request to itself and updates the Subscription Version status to 'Pending'.

2.	NPAC	 The New Service Provider System issues an M-ACTION Request subscriptionVersionRemovalFro mConflict in CMIP (or RFCQ – RemoveFromConflictRequest in XML) by specifying the Subscription Version TN or the Subscription Version ID. The NPAC SMS issues an M- 	SP	 The NPAC SMS issues an M-SET Response to itself. The NPAC SMS issues an M-ACTION Response in CMIP (or RFCR – RemoveFromConflictReply in XML) back to the New Service Provider SOA indicating it successfully processed the request.
2.	NFAC	EVENT-REPORT subscriptionVersionStatusAttributeV alueChange in CMIP (not available over the XML interface, but attributes are included in the message sent in step 4 below) to the New Service Provider SOA, to update the Subscription Version status to 'Pending'.	Sr	The New Service Provider SOA issues an M- EVENT-REPORT Confirmation in CMIP (not available over the XML interface, but confirmation is included in the message sent in step 4 below) back to the NPAC.
3.	NPAC	The NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttributeV alueChange in CMIP (not available over the XML interface, but attributes are included in the message sent in step 5 below) to the Old Service Provider SOA to update the Subscription Version status to 'Pending'.	SP	The Old Service Provider SOA issues an M- EVENT-REPORT Confirmation in CMIP (not available over the XML interface, but confirmation is included in the message sent in step 5 below) back to the NPAC.
4.	NPAC	The NPAC SMS issues an M- EVENT-REPORT subscription VersionAttributeValueC hange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider SOA to update the Old Service Provider Authorization to 'TRUE' in CMIP (or Provider Authorization to 'TRUE' and status to 'Pending').	SP	The New Service Provider SOA issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC.
5.	NPAC	The NPAC SMS issues an M- EVENT-REPORT subscription VersionAttributeValueC hange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA to update the Old Service Provider Authorization to 'TRUE' in CMIP (or Provider Authorization to 'TRUE' and status to 'Pending').	SP	The Old Service Provider SOA issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC.
6.	NPAC	NPAC Personnel query for the Subscription Version that was removed from Conflict in this Test Case.	NPAC	 The Subscription Version status is now set to 'Pending'. The Conflict Restriction Window expired at the appropriate time based on the 'Timer Type' and Business Hours Type'.

7.	SP - conditi onal	Old Service Provider Personnel, using either their SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Version that they attempted to place into Conflict in this Test Case.	SP	The Subscription Version exists with a status of 'Pending'.
8.	SP - optiona l	Service Provider Personnel, using either their SOA/SOA LTI or LSMS, perform a local query for the Subscription Version that was removed from Conflict in this Test Case.	SP	The Subscription Version status is now set to 'Pending'.
9.	SP- Conditi onal	If the Service Provider under test supports a separate SOA channel for notifications, verify that all notifications were sent down the appropriate channel configured for notifications.	SP	Notifications were sent using the channel configured for notifications.

Test Case Number:	NANC 201-39	Priority:	Conditional		
Objective:	SOA– Service Provider P	SOA- Service Provider Personnel perform a Subscription Version query, specifying Timer			
	Type and Business Hours	Type and Business Hours Type – (when the 'SOA Supports Timer Type and SOA Supports			
	Business Type' are set to	'FALSE' for this	Service Provider) – Success		

B. **REFERENCES**

NANC Change		Change Order	NANC 201 – Unique Set of Timers
Order Revision		Number(s):	1
Number:			
NANC FRS	2.0.0	Relevant	R4-29, R5-74,3, R5-74,4
Version Number:		Requirement(s):	- 7 7
NANC IIS	2.0.1	Relevant Flow(s):	B.6.5.6 Subscription Version Query
Version Number:			1 ()

Test Case procedures incorporated into test case 8.1.2.7.1.1 for Release

1.0.

Test Case Number:	NANC 201-41	Priority:	Conditional			
Objective:	LSMS – Service Provider	LSMS – Service Provider Personnel perform a Subscription Version query, specifying				
	Timer Type and Business	Timer Type and Business Hours Type – (when the 'LSMS Supports Timer Type and				
	LSMS Supports Business	Type' are set to '	FALSE' for this Service Provider) – Success			

B. **REFERENCES**

NANC Change		Change Order	NANC 201 – Unique Set of Timers
Order Revision		Number(s):	1
Number:			
NANC FRS	2.0.0	Relevant	R4-29, R5-74.3, R5-74.4
Version Number:		Requirement(s):	
NANC IIS	2.0.1	Relevant Flow(s):	B.6.5.6 Subscription Version Query
Version Number:			

Test Case procedures incorporated into test case 8.1.2.7.2.1 for Release

1.0

Test Case Number:	NANC 201-42	Priority:	Conditional			
Objective:	Type and Business Hours	OA– Service Provider Personnel perform a Subscription Version query, specifying Timer Type and Business Hours Type – (when the 'SOA Supports Timer Type and SOA Supports				
	Business Type' are set to	'TRUE' for this S	ervice Provider) – Success			

B. REFERENCES

NANC Change		Change Order	NANC 201 – Unique Set of Timers
Order Revision		Number(s):	1
Number:			
NANC FRS	2.0.0	Relevant	R4-29, R5-74,3, R5-74,4
Version Number:		Requirement(s):	- 7 7
NANC IIS	2.0.1	Relevant Flow(s):	B.6.5.6 Subscription Version Query
Version Number:			1 ()

Test Case procedures incorporated into test case 8.1.2.7.1.1 for Release

1.0

Test Case	NANC 201-44	Priority:	Conditional			
Number:						
Objective:	LSMS– Service Provider Personnel perform a Subscription Version query, specifying					
	Timer Type and Business Hours Type – (when the 'LSMS Supports Timer Type and					
	LSMS Supports Business Type' are set to 'TRUE' for this Service Provider) – Success					

B. **REFERENCES**

NANC Change		Change Order	NANC 201 – Unique Set of Timers
Order Revision		Number(s):	1
Number:			
NANC FRS	2.0.0	Relevant	R4-29, R5-74,3, R5-74,4
Version Number:		Requirement(s):	- 7 7
NANC IIS	2.0.1	Relevant Flow(s):	B.6.5.6 Subscription Version Query
Version Number:			1 5

Test Case procedures incorporated into test case 8.1.2.7.2.1 for Release

1.0

9.1.10 NANC 203 Related Test Cases:

A. TEST IDENTITY

Test Case Number:	NANC 203 – 2	Priority: Conditional			
Objective:		er Personnel, create an Intra-Service Provider Subscription Version, PC and SSN information – the Service Provider's SOA DOES NOT C and SSN Data – Error			

B. REFERENCES

NANC Change Order Revision Number:	N/A	Change Order Number(s):	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	RR5-4, RR5-6.1
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider)

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated		
Execution	Prerequisite	NPAC Setup	SP Setup		
Time:	Setup Time:	Time:	Time:		

D. PREREQUISITE

INDREQUEST	
Prerequisite Test	
Cases:	
Prerequisite NPAC Setup:	Verify that the Service Provider's SOA Supports WSMSC DPC and SSN Data tunable is set to 'FALSE'.
Prerequisite SP Setup:	Verify that the NPA-NXX you are going to specify in your Subscription Version request is open for porting on the NPAC SMS.

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	 Service Provider Personnel, using their SOA System, submit a request to the NPAC SMS to create an Intra-Service Provider Subscription Version. Specify WSMSC DPC and SSN Data in the Subscription Version request. The Service Provider SOA issues an M-ACTION Request subscriptionVersionNewSP- Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS. 	NPAC	 The NPAC SMS receives the Request from the SOA and determines that the request contains WSMSC data, but the SOA WSMSC DPC SSN Data Indicator for this Service Provider is set to 'FALSE' (this violates system requirements). The NPAC SMS rejects the request and issues an M-ACTION Error Response in CMIP (or NCRR – NewSpCreateReply in XML) back to the Service Provider SOA indicating a failure (invalidArgumentValue).
2.	NPAC	NPAC Personnel perform a query for the Subscription Version to verify	NPAC	The Subscription Version was not created.
		that it was not created.		

3.	SP - option al	Service Provider Personnel, using the SOA/ SOA LTI, perform an NPAC query for the Subscription Version to verify that it was not created.	SP	The Subscription Version was not created.
4.	SP - conditi onal	Service Provider Personnel, using the SOA, perform a local query for the Subscription Version to verify that it was not created.	SP	The Subscription Version was not created.

Test Case Number:	NANC 203 – 3	Priority:	Conditional	
Objective:	SOA – New Service Provider Personnel, attempt to modify WSMSC DPC and/or SSN information for a pending Subscription Version – the Service Provider's SOA Supports WSMSC DPC and SSN Data – Success			

B. REFERENCES

NANC Change Order Revision Number:	N/A	Change Order Number(s):	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	R5-27.1, R5-29.1
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.2.3 Subscription Version Modify Prior to Activate Using M- ACTION

Test Case procedures incorporated into test case 8.1.2.2.1.2 for Release 1.0.

	Test Case Number:	NANC 203 – 4	Priority:	Conditional			
ľ	Objective:	SOA – New Service Provider Personnel, attempt to modify WSMSC DPC and/or SSN					
		information for a pending Subscription Version – the Service Provider's SOA DOES NOT					
		Support WSMSC DPC and SSN Data – Error					

B. REFERENCES

NANC Change Order Revision Number:	N/A	Change Order Number(s):	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	R5-27.1, R5-29.1
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.2.3 Subscription Version Modify Prior to Activate Using M- ACTION

C. TIME ESTIMATE

.									
Es	stimated	Estimated	Estimated	Estimated					
Ex	xecution	Prerequisite	NPAC Setup	SP Setup					
Ti	ime:	Setup Time:	Time:	Time:					

D. PREREQUISITE

INEREQUISITE			
Prerequisite Test Cases:			
Prerequisite NPAC Setup:	Verify that the Service Provider's SOA WSMSC DPC SSN Data Indicator is set to 'FALSE'.		
Prerequisite SP Setup:			

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	 New Service Provider personnel, using their SOA system, take action to modify WSMSC DPC and SSN Data for a Pending Subscription Version. This SOA does not support WSMSC DPC and SSN Data. The SOA system issues an M- ACTION Request subscriptionVersionModify in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS. 	NPAC	 The NPAC SMS receives the Request from the Service Provider SOA and determines that the SOA WSMSC DPC SSN Data Indicator for this Service Provider is set to 'FALSE' (this violates system requirements). The NPAC SMS rejects the modify request and issues an M-ACTION Error Response in CMIP (or MODR - ModifyReply in XML) back to the originating Service Provider SOA indicating a failure (invalidArgumentValue).
2.	NPAC	NPAC Personnel perform a query for the Subscription Version to verify that it was not modified.	NPAC	The Subscription Version was not modified.
3.	SP - conditi onal	Service Provider Personnel, using the SOA/ SOA LTI, perform an NPAC query for the Subscription Version to verify that it was not modified.	SP	The Subscription Version was not modified.

4.	SP - option al	Service Provider Personnel, using the SOA, perform a local query for the Subscription Version to verify that it was not modified.	SP	The Subscription Version was not modified.
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Test Case Number:	NANC 203 – 7	Priority:	Conditional				
Objective:		C DPC and SSN I	lify an Active Subscription Version without Data – the Service Provider's SOA DOES NOT – Success				

B. REFERENCES

NANC Change Order Revision Number:	N/A	Change Order Number(s):	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	R5-36, R5-38.1
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.2.3 Subscription Version Modify Prior to Activate Using M- ACTION

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated	
Execution	Prerequisite	NPAC Setup	SP Setup	
Time:	Setup Time:	Time:	Time:	

D. PREREQUISITE

IKEREQUIST	IREREVOISITE				
Prerequisite Test Cases:					
Prerequisite NPAC Setup:	Verify that the Service Provider's SOA WSMSC DPC SSN Data Indicator is set to 'FALSE'.				
Prerequisite SP Setup:					

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	 New Service Provider personnel, using their SOA system, modify an Active Subscription Version. The WSMSC DPC and SSN Data are not sent in the Subscription Version request. This SOA does not support WSMSC DPC and SSN Data. The SOA system issues an M- ACTION Request subscriptionVersionModify in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS. 	NPAC	The NPAC SMS receives the Request from the Service Provider SOA and determines that the SOA WSMSC DPC SSN Data Indicator for this Service Provider is set to 'FALSE', and the WSMSC data is not included in the request.
2	NPAC	The NPAC SMS accepts the modify request and issues an M-SET to modify the requested attributes in the subscriptionVersionNPAC object and set the subscriptionModifiedTimeStamp.	NPAC	The NPAC SMS issues an M-SET response.

3	NPAC	NPAC SMS replies to the subscriptionVersionModify Request in CMIP (or MODR - ModifyReply in XML) with a successful response.	SOA	SOA receives the response.
4	NPAC	NPAC SMS issues an M-SET to update the subscriptionVersionNPAC object's subscriptionVersionStatus to 'sending'.	NPAC	NPAC SMS responds to M-SET.
5	NPAC	The NPAC SMS issues an M-SET in CMIP (or SVMD – SvModifyDownload) to all LSMSs who are receiving downloads for the NPA-NXX. If the LSMS supports WSMSC DPC and SSN Data, the download will contain those attributes with NULL values.	LSMS	Each LSMS, who is accepting downloads for the NPA-NXX, responds successfully to the M-SET request in CMIP (or DNLR – DownloadReply in XML).
6	NPAC	NPAC issues an M-SET to itself to set the subscriptionVersionStatus to 'active' and the subscriptionModifiedTimeStamp to the current date and time.	NPAC	NPAC SMS responds to M-SET.
7		NPAC SMS sends a subscriptionVersionStatusAttributeV alueChange M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider SOA.		The New Service Provider SOA issues M-EVENT- REPORT confirmation to in CMIP (or NOTR – NotificationReply in XML) the NPAC SMS.
8.	NPAC	NPAC Personnel perform a query for the Subscription Version to verify that it was modified.	NPAC	The Subscription Version was modified.
9.	SP - conditi onal	Service Provider Personnel, using either the SOA/ SOA LTI or LSMS, perform an NPAC query for the Subscription Version to verify that it was modified.	SP	The Subscription Version was modified.
10.	SP - option al	Service Provider Personnel, using either the SOA or LSMS, perform a local query for the Subscription Version to verify that it was modified.	SP	The Subscription Version was modified.
11.	NPAC	NPAC Personnel perform a full audit for the subscription version that was modified during this test case.	NPAC	Using the Audit Results Log verify that no updates were sent as a result of performing the audit. If updates were issues, the LSMS fails this test case.

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Test Case Number:	NANC 203 – 8	Priority:	Conditional			
Objective:		MSC DPC and SS	the LRN for an Active Subscription Version SN Data – the Service Provider's SOA Supports			

B. REFERENCES

NANC Change Order Revision Number:	N/A	Change Order Number(s):	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	R5-36, R5-38.1
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.2.3 Subscription Version Modify Prior to Activate Using M- ACTION

C. TIME ESTIMATE

Estimated	Estimated	Estimated			
Prerequisite	NPAC Setup	SP Setup			
Setup Time:	Time:	Time:			
	Estimated Prerequisite	Estimated Estimated Prerequisite NPAC Setup	EstimatedEstimatedEstimatedPrerequisiteNPAC SetupSP Setup		

D. PREREQUISITE

IKEKEQUISII	
Prerequisite Test Cases:	
Prerequisite NPAC Setup:	Verify that the Service Provider's SOA WSMSC DPC SSN Data Indicator is set to 'TRUE'.
Prerequisite SP Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	 New Service Provider personnel, using their SOA system, take action to modify the LRN for an Active Subscription Version. The WSMSC DPC and SSN Data is not sent in the Subscription Version request. This SOA supports WSMSC DPC and SSN Data. The SOA system issues an M- ACTION Request subscriptionVersionModify in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS. 	NPAC	 The NPAC SMS receives the Request from the Service Provider SOA and determines that the SOA WSMSC DPC SSN Data Indicator for this Service Provider is set to 'TRUE', however the WSMSC data is not included in the request. Since WSMSC is not required, the request is valid.
2	NPAC	The NPAC SMS accepts the modify request and issues an M-SET to modify the requested attributes in the subscriptionVersionNPAC object and set the subscriptionModifiedTimeStamp.	NPAC	The NPAC SMS issues an M-SET response.

3	NPAC	NPAC SMS replies to the	SOA	SOA receives the response.
5		NPAC SMS replies to the subscriptionVersionModify Request in CMIP (or MODR - ModifyReply in XML) with a successful response.		SOA receives the response.
4	NPAC	NPAC SMS issues an M-SET to update the subscriptionVersionNPAC object's subscriptionVersionStatus to 'sending'.	NPAC	NPAC SMS responds to M-SET.
5	NPAC	The NPAC SMS issues an M-SET in CMIP (or SVMD – SvModifyDownload) to all LSMSs who are receiving downloads for the NPA-NXX. If the LSMS supports WSMSC DPC and SSN Data, the download will contain those attributes with NULL values.	LSMS	Each LSMS, who is accepting downloads for the NPA-NXX, responds successfully to the M-SET request in CMIP (or DNLR – DownloadReply in XML).
6	NPAC	NPAC issues an M-SET to itself to set the subscriptionVersionStatus to 'active' and the subscriptionModifiedTimeStamp to the current date and time.	NPAC	NPAC SMS responds to M-SET.
7		NPAC SMS sends a subscriptionVersionStatusAttributeV alueChange M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider SOA.		The New Service Provider SOA issues M-EVENT- REPORT confirmation to in CMIP (or NOTR – NotificationReply in XML) the NPAC SMS.
8.	NPAC	NPAC Personnel perform a query for the Subscription Version to verify that it was modified.	NPAC	The Subscription Version was modified.
9.	SP - conditi onal	Service Provider Personnel, using either the SOA/ SOA LTI or LSMS, perform an NPAC query for the Subscription Version to verify that it was modified.	SP	The Subscription Version was modified.
10.	SP - option al	Service Provider Personnel, using either the SOA or LSMS, perform a local query for the Subscription Version to verify that it was modified.	SP	The Subscription Version was modified.
11.	NPAC	NPAC Personnel perform a full audit for the subscription version that was modified during this test case.	NPAC	Using the Audit Results Log verify that no updates were sent as a result of performing the audit. If updates were issues, the LSMS fails this test case.

Test Case Number:	NANC 203 – 11	Priority:	Conditional
Objective:		Data to the NPAC	a Subscription Version Query, specifying SMS – the Service Provider's SOA Supports

B. REFERENCES

NANC Change Order Revision Number:	N/A	Change Order Number(s):	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	R5-74.4
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.6 Subscription Version Query

Test Case procedures incorporated into test case 8.1.2.7.1.1 for Release 1.0.

Test Case Number:	NANC 203 – 12	Priority:	Conditional	
Objective:	SOA – Service Provider Personnel submit a Subscription Version Query, specifying			
	WSMSC DPC and SSN Data to the NPAC SMS - the Service Provider's SOA DOES NOT			
	Support WSMSC DPC ar	nd SSN Data – Suo	ccess	

B. REFERENCES

NANC Change Order Revision Number:	N/A	Change Order Number(s):	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	R4-29, R5-74.3
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.6 Subscription Version Query

Test Case procedures incorporated into test case 8.1.2.7.1.1 for Release 1.0.

Test Case Number:	NANC 203 – 14	Priority:	Conditional			
Objective:	LSMS – Service Provid	LSMS – Service Provider Personnel submit a Subscription Version Query, specifying				
		WSMSC DPC and SSN Data to the NPAC SMS - the Service Provider's LSMS DOES				
	NOT Support WSMSC	DPC and SSN Data	a – Success			

B. REFERENCES

NANC Change Order Revision Number:	N/A	Change Order Number(s):	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	R4-29, R5-74.3
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.6 Subscription Version Query

Test Case procedures incorporated into test case 8.1.2.7.2.1 for Release 1.0.

Test Case Number:	NANC 203 – 15	Priority:	Conditional		
Objective:	SOA – New Service Provider Personnel create an Inter-Service Provider Subscription				
		Version for a single TN when the SOA WSMSC DPC SSN Data Indicator is set to 'TRUE' for both Service Providers and this is the first port for the NPA-NXX of this TN – Success			

B. REFERENCES

NANC Change Order Revision Number:	N/A	Change Order Number(s):	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	R5-15.1, R5-18.1
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider)

Test Case procedures incorporated into test case 8.1.2.1.1.1 for Release 1.0.

Test Case Number:	NANC 203 – 16	Priority:	Conditional	
Objective:	SOA – New Service Provider Personnel create Inter-Service Provider Subscription			
	Versions for a range of TNs when the SOA WSMSC DPC SSN Data Indicator is set to			
	'TRUE' for both Service Providers – Success			

B. REFERENCES

NANC Change Order Revision Number:	N/A	Change Order Number(s):	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	R5-15.1, R5-18.1
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider)

Test Case procedures incorporated into test cases NANC 201-2, NANC 201-6, and NANC 201-10 for Release 2.0.

Test Case Number:	NANC 203 – 19	Priority:	Conditional		
Objective:		rvice Provider Personnel, create an Intra-Service Provider Subscription Version e TN when the SOA WSMSC DPC SSN Data Indicator is set to 'TRUE' for the			

B. **REFERENCES**

NANC Change Order Revision Number:	N/A	Change Order Number(s):	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	RR5-6.1, RR5-4
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.1.11 Subscription Version Create for Intra-Service Provider Port

Test Case procedures incorporated into test case 8.1.2.1.1.16 for Release 1.0.

Test Case Number:	NANC 203 – 20	Priority:	Conditional
Objective:		SOA WSMSC DP	ntra-Service Provider Subscription Versions for C SSN Data Indicator is set to 'TRUE' for the

B. **REFERENCES**

NANC Change Order Revision Number:	N/A	Change Order Number(s):	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	RR5-6.1, RR5-4
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.1.11 Subscription Version Create for Intra-Service Provider Port

Test Case procedures incorporated into test case 8.1.2.1.1.17 for Release 1.0.

Test Case Number:	NANC 203 – 23	Priority:	Conditional
Objective:		nd SSN Data. At 1	tivate a 'pending' Subscription Version that least 1 LSMS is connected to the NPAC, and ccess

B. REFERENCES

NANC Change Order Revision Number:	N/A	Change Order Number(s):	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	N/A
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.1.5 Subscription VersionActivate by New Service ProviderSOAB.5.1.6 Active SubscriptionVersion Create on Local SMS

Test Case procedures incorporated into test case 8.1.2.4.1.1 for Release 1.0.

Test Case Number:	NANC 203 – 24	Priority:	Conditional		
Objective:	SOA – New Service Prov	SOA – New Service Provider Personnel, activate 'pending' Subscription Versions for a			
	range of TNs that contain WSMSC DPC and SSN Data. At least 1 LSMS is connected to				
	the NPAC and DOES NO	the NPAC and DOES NOT Support WSMSC DPC and SSN Data – Success			

B. REFERENCES

NANC Change Order Revision Number:	N/A	Change Order Number(s):	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	N/A
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.1.5 Subscription VersionActivate by New Service ProviderSOAB.5.1.6 Active SubscriptionVersion Create on Local SMS

Test Case procedures incorporated into test case 8.1.2.4.1.4 for Release

1.0.

Test Case Number:	NANC 203 - 27	Priority:	Conditional
Objective:	SOA – Service Provider Personnel Initiate Full Audit (all data attributes), Range of TNs, No Discrepancies – the Service Provider's LSMS Supports WSMSC DPC a SSN Data – Success		

B. REFERENCES

NANC Change Order	N/A	Change Order	NANC 203 – Wireless Addition of
Revision Number:		Number(s):	WSMSC DPC and SSN
			Information
NANC FRS Version	2.0.0	Relevant	R8-3, R8-9
Number:		Requirement(s):	
NANC IIS Version	2.0.1	Relevant Flow(s):	B.2.1 SOA Initiated Audit
Number:			

Test Case procedures incorporated into test case Audit_2 for Release 1.0.

Test Case Number:	NANC 203 - 28	Priority:	Conditional	
Objective:	SOA – Service Provider Personnel Initiate Partial Audit (some data attributes,			
	including WSMSC DPC and SSN Data), Range of TNs, With Discrepancies– th Service Provider's LSMS Supports WSMSC DPC and SSN Data Success			
	Service Provider's LSM	S Supports WSMSC DPC	C and SSN Data Success	

B. REFERENCES

NANC Change Order Revision Number:	N/A	Change Order Number(s):	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	R8-3, R8-9
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.2.1 SOA Initiated Audit

Test Case procedures incorporated into test case Audit_3 for Release 1.0.

A. <u>TEST IDENTITY</u>

Test Case Number:	NANC 203 - 29	Priority:	Conditional		
Objective:	SOA – Service Provider Personnel Initiate Partial Audit (some data attributes, including WSMSC data), Single TN, With Discrepancies– the Service Provider's LSMS Supports WSMSC DPC and SSN Data – Success				
			Partial audits are not supported by ly to the XML interface for queries		

B. REFERENCES

NANC Change Order	N/A	Change Order	NANC 203 – Wireless Addition of
Revision Number:		Number(s):	WSMSC DPC and SSN
			Information
NANC FRS Version	2.0.0	Relevant	R8-3, R8-9
Number:		Requirement(s):	
NANC IIS Version	2.0.1	Relevant Flow(s):	B.2.1 SOA Initiated Audit
Number:			B.2.1.1 SOA Initiated Audit
			(continued)

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated SP
Execution	Prerequisite	NPAC Setup	Setup Time:
Time:	Setup Time:	Time:	

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	 Verify that the Service Provider's LSMS WSMSC DPC SSN Data Indicator is set to "TRUE". Verify the Subscription Versions exists for TNs to be used in the audit. No dD iscrepancies exist between NPAC and the audited LSMS for the TNs to be used in the audit.
Prerequisite SP Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SOA	 SP SOA sends a partial audit request in CMIP to NPAC specifying the following: subscription Audit Name subscription Audit Requesting SP subscription Audit SP ID Range (If SP supports the implementation) subscription Audit TN subscription Audit Attribute List (some data attributes) 	NPAC	 The NPAC SMS receives the valid request from SOA. The NPAC SMS responds in CMIP to SOA's M-CREATE request. The NPAC SMS sets audit status to "in- progress."

		• subscription Audit TN Activation Range.		
2.	NPAC	The NPAC SMS sends M-EVENT- REPORT in CMIP of the audit object creation to SOA.	SOA	The SOA confirms in CMIP receipt of the M- EVENT-REPORT.
3.	NPAC	The NPAC SMS begins audit. NPAC issues a scoped and filtered M-GET in CMIP (or QLVQ – QueryLsmsSvRequest in XML) for the SVs in the audit to all LSMSs accepting downloads for the NPA- NXX of the SV.	LSMS	The LSMSs return in CMIP the M-GET query (or QLVR – QueryLsmsSvReply in XML) for data containing the WSMSC DPC and SSN Data, if supported.
4.	NPAC	 The NPAC SMS compares each SV object. Discrepancies are found. The NPAC SMS issues a subscription Audit Discrepancy Report M-EVENT-REPORT in CMIP to SOA. The NPAC SMS issues corrections to LSMSs. 	SOA; LSMS	 The SOA confirms the discrepancy M- EVENT-REPORT in CMIP containing the WSMSC DPC and SSN Data from NPAC. The LSMSs perform the corrections received from NPAC.
5.		 The NPAC SMS sets audit status to complete. The NPAC SMS records audit results in audit log. The NPAC SMS issues subscription Audit Results M- EVENT-REPORT in CMIP to SOA. 	SOA	The SOA confirms in CMIP the audit results M- EVENT-REPORT from NPAC.
6.	NPAC	The NPAC SMS issues an objectDeletion M-EVENT-REPORT in CMIP to the SOA.	SOA	SOA confirms in CMIP the objectDeletion M- EVENT-REPORT.
7.	NPAC	The NPAC SMS deletes the subscription Audit object on the NPAC.	NPAC	The Audit object is deleted
8.	NPAC	NPAC Personnel perform a query for the Subscription Version to verify that it was modified.	NPAC	The Subscription Version was modified.
9.	SP - Conditi onal	Service Provider Personnel, using either the SOA/ SOA LTI or LSMS, perform an NPAC query for the Subscription Version to verify that it was modified.	SP	The Subscription Version was modified.
10.	SP - Optiona l	Service Provider Personnel, using either the SOA or LSMS, perform a local query for the Subscription Version to verify that it was modified.	SP	The Subscription Version was modified.

Test Case Number:	NANC 203 - 30Priority:Conditional					
Objective:	NPAC OP GUI – NPAC Personnel Initiate a Bulk Data Download of Subscription Data– The Service Provider's LSMS DOES NOT Support WSMSC DPC and SSN					
	Data – Success					

B. REFERENCES

NANC Change Order	N/A	Change Order	NANC 203 – Wireless Addition of
Revision Number:		Number(s):	WSMSC DPC and SSN
			Information
NANC FRS Version	2.0.0	Relevant	R3-8
Number:		Requirement(s):	
NANC IIS Version	2.0.1	Relevant Flow(s):	N/A
Number:			

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated SP			
Execution	Prerequisite	NPAC Setup	Setup Time:			
Time:	Setup Time:	Time:	_			

D. PREREQUISITE

Prerequisite Test	
Cases:	
Prerequisite NPAC	Verify that the Service Provider's LSMS WSMSC DPC SSN Data Indicator is set to
Setup: Prerequisite SP Setup:	"FALSE".

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	NPAC Personnel request a Bulk Data Download for Subscription Data for the Service Provider.	NPAC	 The NPAC SMS receives the request from the NPAC OP GUI. The NPAC SMS generates the Bulk Data Download File, which does not include WSMSC DPC and SSN Data.
2.	SP	Service Provider Personnel FTP the Bulk Data Download File and load the file into their LSMS.		
3.	SP - Optiona l	Service Provider Personnel, using their LSMS, perform a local query for the Subscription Data to verify that the Subscription Version data was loaded.	SP	The Subscription Version data was loaded and did not include WSMSC DPC and SSN Data.
4.	NPAC	NPAC Personnel perform a full audit for the subscription versions included in the download file processed by the Service Provider system.	NPAC	Using the Audit Results Log verify that no updates were sent as a result of performing the audit. If updates were issued, the LSMS fails this test case.

Test Case Number:	NANC 203 - 32	Priority:					
Objective:	NPAC OP GUI - NPAC Personnel submit a Mass Update request specifying WSMSC DPC Values for a specific Service Provider in a single region. – Success						

B. REFERENCES

NANC Change Order Revision Number:	N/A	Change Order Number(s):	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information		
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	R3-7.1, R3-7.2		
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.8.3 Mass Update Note: Per IIS3_4_1aPart2, "Mass Update" is described in scenario B.8.3.		

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated			
Execution	Prerequisite	NPAC Setup	SP Setup			
Time:	Setup Time:	Time:	Time:			

D. PREREQUISITE

INDREQUISIT	
Prerequisite Test	
Cases:	
D	
Prerequisite	Verify that some Subscription Versions exist with a status of old, partial failure, sending,
NPAC Setup:	canceled and disconnect pending for the WSMSC DPC values you are going to specify for
	a Mass Update.
Prerequisite SP	
Setup:	
-	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	Using the NPAC OP GUI, NPAC Personnel submit a request for a Mass Update by specifying WSMSC DPC values for a specific Service Provider in a single region.	NPAC	 The NPAC SMS searches the Subscription Version database for the Subscription Versions that match the selection criteria. For all objects that match the criteria, the following occurs: The NPAC SMS logs an exception for each Subscription Version with the WSMSC DPC values specified for the Mass Update that has a status of partial failure, sending, or disconnect pending.
2.	NPAC	The NPAC SMS issues an M-SET Request subscriptionVersion in CMIP (or SVMD – SvModifyDownload in XML) to each LSMS in the region that is accepting downloads for this NPA- NXX to modify the specified attribute(s) for the Mass Update Request.	SP	Each LSMS in the region that is accepting downloads for this NPA-NXX and supports WSMSC DPC and SSN Data receives the Request from the NPAC SMS, updates the specified attribute(s) for the Subscription Versions and issues an M-SET Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS.
3.	NPAC	The NPAC SMS issues an M- EVENT-REPORT	SP	The Current Service Provider SOA issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR

		subscriptionVersionStatusAttributeV alueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for each TN modified to the Current Service Provider SOA to set the subscriptionVersionStatus to 'active'.		 NotificationReply in XML) back to the NPAC SMS for each notification received indicating it received the NPAC Request successfully.
4.	NPAC	Using the NPAC OP GUI, request a Mass Update Exception Report by specifying a time range that corresponds to the creation timestamp for the 'exception' log entries created as a result of the Mass Update requested.	NPAC	 The NPAC SMS generates a Mass Update exception report to the specified destination, ordered by timestamp, including the following information for the Subscription Versions that were not updated during Mass Update processing: Subscription Version ID TN Current Service Provider Event ID of the Mass Update Request Timestamp of the Mass Update exception Subscription Version status at the time of exception
5.	NPAC	NPAC Personnel query for the Subscription Versions that have been modified.	NPAC	The Subscription Versions have been modified appropriately.
6.	NPAC	NPAC Personnel perform a full audit for the subscription versions updated during this test case.	NPAC	Using the Audit Results Log verify that no updates were sent as a result of performing the audit. If updates were issued, the LSMS fails this test case.

9.1.11 NANC 214 Related Test Cases:

A. TEST IDENTITY

Test Case Number:	NANC 214 - 1	Priority:	Required
Objective:	into conflict using an Old	Service Provider	cessfully put a pending Subscription Version create after the Conflict Restriction Window the Final Concurrence Timer (T2) has expired. –

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 214 – Conflict Functionality with Due Date = Today
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	RR5-51
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.5.4 – Subscription Version Conflict by Old Service Provider Explicitly Not Authorizing (First Create)

Test case superseded by NANC 218 - 2 functionality implemented in NPAC SMS Release 3.3.

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Test Case Number:	NANC 214 - 2	Priority:	Required
Objective:	Versions into conflict usin	ng an Old Service	cessfully put a range of pending Subscription Provider create after the Conflict Restriction at before the Final Concurrence Timer has

B. REFERENCES

KLI EKENCES					
NANC Change Order Revision Number:		Change Order Number(s):	NANC 214 – Conflict Functionality with Due Date = Today		
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	RR5-51		
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.5.4 – Subscription Version Conflict by Old Service Provider Explicitly Not Authorizing (First Create)		

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated	
Execution	Prerequisite	NPAC Setup	SP Setup	
Time:	Setup Time:	Time:	Time:	
	Estimated Execution	Execution Prerequisite	EstimatedEstimatedEstimatedExecutionPrerequisiteNPAC Setup	Estimated ExecutionEstimated PrerequisiteEstimated NPAC SetupEstimated

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	Verify that a range of pending Subscription Versions has been created where the Service Provider under test is the Old Service Provider, the due date is today, and the Final Concurrence Timer has not expired. Verify the SOA Supports Medium Timer Indicator is set to production value for the service provider under test; to meet the objective of this test case, if the service provider under test <i>does</i> support MTI, the value should be set to FALSE.
Prerequisite SP Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Old Service Provider personnel create a Request with the authorization flag set to "FALSE" for a range of 'pending' Subscription Versions where they are the Old Service Provider, the due date is today and the Final Concurrence Timer has not expired.	SP	The SOA issues a subscriptionVersionOldSP-Create M-ACTION Request in CMIP (or OCRQ – OldSpCreateRequest in XML) to the NPAC SMS.
2.	NPAC	The NPAC SMS accepts the M- ACTION Request in CMIP (or OCRQ – OldSpCreateRequest in XML) from the Service Provider.	NPAC	The NPAC SMS sets the Subscription Version to conflict and sets all of the other values from the Request.
3.	NPAC	The NPAC SMS issues an M- ACTION Response in CMIP (or OCRR – OldSpCreateReply in XML).	SP	The SOA receives the successful Response.

4.	NPAC	The NPAC SMS issues an M- EVENT-REPORT StatusAttributeValueChange in CMIP (VATN – SvAttributeValueChangeNotification in XML) for each Subscription Version in the range to the New Service Provider SOA including the status change to conflict and the reason for conflict.	SP	The New Service Provider SOA issues an M- EVENT-REPORT Confirmation in CMIP (NOTR – NotificationReply in XML) for each Subscription Version in the range to the NPAC SMS.
5.	NPAC	The NPAC SMS issues an M- EVENT-REPORT StatusAttributeValueChange in CMIP (VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA including the status change to conflict and the reason for conflict.	SP	The Old Service Provider SOA issues an M- EVENT-REPORT Confirmation in CMIP (NOTR – NotificationReply in XML) to the NPAC SMS.
6.	NPAC	NPAC Personnel perform a query for the Subscription Version to verify that it is conflict.	NPAC	The Subscription Version has a status of 'conflict', the cause code, the authorization time stamp, and the Old Service Provider due date is set and the authorization flag is set to False.
7.	SP – conditi onal	Service Provider Personnel using either the SOA or SOA LTI perform an NPAC SMS query for the Subscription Version to verify that it is in conflict.	SP	The Subscription Version has a status of 'conflict', the cause code, the authorization time stamp, and the Old Service Provider due date is set and the authorization flag is set to False.
8.	SP - optiona 1	Service Provider Personnel using the SOA perform a local query for the Subscription Version to verify that it is in conflict.	SP	The Subscription Version has a status of 'conflict', the cause code, the authorization time stamp, and the Old Service Provider due date is set and the authorization flag is set to False.

1201						
Test (Case	NANC 214 - 3	Priority:	Required		
Numb	ber:					
Objec	ctive:	into conflict using the sub	scriptionVersionN	mpt to put a 'pending' Subscription Version Addify action. This action is issued after they afflict Restriction Window Tunable Time has		

B. REFERENCES

KEI EKENCES			
NANC		Change	NANC 214 – Conflict Functionality with
Change		Order	Due Date = Today12 hoursToday
Order		Number(s):	
Revision			
Number:			
NANC FRS	2.0.0	Relevant	RR5-51
Version		Requirement(
Number:		s):	
NANC IIS	2.0.1	Relevant	B.5.2.3 Subscription Version Modify Prior
Version		Flow(s):	to Activate Using M-ACTION
Number:			

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated	
Execution	Prerequis	NPAC	SP Setup	
Time:	ite Setup	Setup	Time:	
	Time:	Time:		

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	Verify that a 'pending' Subscription Version has been created by the New Service Provider and concurred by the Old Service Provider where the Service Provider under test is the Old Service Provider, they have already concurred to the port, and the due date is today within 12 hours.
Prerequisite SP Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Old Service Provider personnel create a subscriptionVersionModify M- ACTION Request to set the authorization flag to "FALSE" for a pending Subscription Version where they are the Old Service Provider, they have previously concurred to the port within 12 hours.	SP	The SOA issues a subscriptionVersionModify M- ACTION Request in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS.
2.	NPAC	The NPAC SMS accepts the M- ACTION Request in CMIP (or	NPAC	1. The NPAC SMS determines that the Subscription Version status cannot be changed to conflict because the Old Service Provider

3.	SP	MODQ – ModifyRequest in XML) from the Service Provider. The Old SOA receives the M- ACTION response in CMIP (or MODR – ModifyReply in XML).	SP	 had previously concurred to the port and the Conflict Restriction Window Tunable Time has been reached. (This violates system requirements.) 2. The NPAC SMS rejects the request. 3. The NPAC SMS logs an error indicating that the subscription VersionModify M-ACTION failed because the Old Service Provider had previously concurred to the port and the Conflict Restriction Window Tunable Time has been reached. 4. The NPAC SMS issues an M-ACTION Error Response in CMIP (or MODR – ModifyReply in XML) to the SOA indicating accessDenied. The Subscription Version is not modified.
4.	NPAC	NPAC Personnel perform a query for the Subscription Version to verify that it does not have a status of 'conflict'.	NPAC	The Subscription Version has a status of 'pending', the cause code, the authorization time stamp, and the Old Service Provider due date are not reset and the authorization flag is set to 'True'.
5.	SP – conditi onal	Service Provider Personnel using either the SOA or SOA LTI perform an NPAC query for the Subscription Version to verify that it is does not have a status of 'conflict'.	SP	The Subscription Version has a status of 'pending', the cause code, the authorization time stamp, and the Old Service Provider due date are not set and the authorization flag is set to 'True'.
6.	SP - optiona l	Service Provider Personnel using the SOA perform a local query for the Subscription Version to verify that it does not have a status of 'conflict'.	SP	The Subscription Version has a status of 'pending, the cause code, the authorization time stamp, and the Old Service Provider due date are not set and the authorization flag is set to 'True'.

10011001(11						
Test Case	NANC 214 - 4	Priority:	Required			
Number:						
Objective:	SOA – Old Service Provider personnel attempt to put a range of 'pending' Subscription					
-	Versions into conflict using the subscriptionVersionModify action after the Conflict					
	Restriction Window Tuna	ble Time has been	n reached. – Error			

B. REFERENCES

NANC		Change	NANC 214 – Conflict Functionality with
Change		Order	Due Date = Today12 hoursToday
Order		Number(s):	
Revision			
Number:			
NANC FRS	2.0.0	Relevant	RR5-51
Version		Requirement(
Number:		s):	
NANC IIS	2.0.1	Relevant	B.5.2.3 Subscription Version Modify Prior
Version		Flow(s):	to Activate Using M-ACTION
Number:			

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated	
Execution	Prerequis	NPAC	SP Setup	
Time:	ite Setup	Setup	Time:	
	Time:	Time:		

D. PREREQUISITE

THENEQUIST	
Prerequisite Test Cases:	
Prerequisite NPAC Setup:	Verify that a range of 'pending' Subscription Versions has been created by the New Service Provider and concurred by the Old Service Provider where the Service Provider under test is the Old Service Provider and the due date is within 12 hours.
Prerequisite SP Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Old Service Provider personnel create a subscriptionVersionModify M- ACTION Request to set the authorization flag to "FALSE" for a range of 'pending' Subscription Versions where they are the Old Service Provider within 12 hours.	SP	The SOA issues a subscriptionVersionModify M- ACTION Request in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS.
2.	NPAC	The NPAC SMS accepts the M- ACTION Request in CMIP (or MODQ – ModifyRequest in XML) from the Service Provider.	NPAC	 The NPAC SMS determines that the Subscription Versions status cannot be changed to conflict because the Old Service Provider had previously concurred to the port and the Conflict Restriction Window Tunable Time has been reached. (This violates system requirements.) The NPAC SMS rejects the request.

				 The NPAC SMS logs an error indicating that the subscriptionVersionModify M-ACTION failed because the Old Service Provider had previously concurred to the port and the Conflict Restriction Window Tunable Time has been reached. The NPAC SMS issues an M-ACTION Error Response in CMIP (or MODR – ModifyReply in XML) to the SOA indicating accessDenied.
3.	SP	The Old SOA receives the M- ACTION Error Response in CMIP (or MODR – ModifyReply in XML).	SP	The Subscription Version is not modified.
4.	NPAC	NPAC Personnel perform a query for the Subscription Versions to verify that it is not in conflict.	NPAC	The Subscription Versions have a status of 'pending', the cause code, the authorization time stamp, and the Old Service Provider due date are not set and the authorization flag is set to 'True'.
5.	SP – conditi onal	Service Provider Personnel, using either the SOA or SOA LTI perform an NPAC SMS query for the Subscription Versions to verify that it does not have a status of 'conflict'.	SP	The Subscription Versions have a status of 'pending', the cause code, the authorization time stamp, and the Old Service Provider due date are not set and the authorization flag is set to 'True'.
6.	SP - optiona 1	Service Provider Personnel using the SOA perform a local query for the Subscription Versions to verify that it does not have a status of 'conflict'.	SP	The Subscription Versions have a status of 'pending, the cause code, the authorization time stamp, and the Old Service Provider due date are not set, and the authorization flag is set to 'True'.

Test Case Number:	NANC 214-5	Priority:	Conditional
Objective:	conflict using the Subscri concurred to the port and Note: Per IIS3_4_1aPart2	ption Version M-S after the Conflict 2, the flow for scen	mpt to put a 'pending' Subscription Version into SET. This action is issued after they have Restriction Window Tunable Time. – Error nario B.5.2.4 is not available over the XML low B.5.2.3, "SubscriptionVersion Modify Prior
	to Activate Using M-ACT	ΓΙΟΝ".	

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 214 – Conflict Functionality with Due Date = Today
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	RR5-51
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.2.4 Subscription Version Modify Prior to Activate Using M-SET

C. TIME ESTIMATE

Estimated	Estimated	Estimated	Estimated	
Execution	Prerequisite	NPAC Setup	SP Setup	
Time:	Setup Time:	Time:	Time:	

D. PREREQUISITE

IKEREQUISI	
Prerequisite Test Cases:	
Prerequisite NPAC Setup:	Verify that a 'pending' Subscription Version has been created where the Service Provider under test is the Old Service Provider, they have already concurred to the port, and the due date is today.
Prerequisite SP Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Old Service Provider personnel create an M-SET Subscription Version Modify Request to set the authorization flag to "FALSE" for a pending Subscription Version where they are the Old Service Provider, they have previously concurred to the port, and the due date is today	SP	The SOA issues an M-SET Subscription Version Modify Request in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS.
2.	NPAC	The NPAC SMS accepts the M-SET Request in CMIP (or MODQ – ModifyRequest in XML) from the Old Service Provider.	NPAC	 The NPAC SMS determines that the Subscription Version status cannot be changed to conflict because the Old Service Provider had previously concurred to the port and the Conflict Restriction Window Tunable Time has been reached. (This violates system requirements.) The NPAC SMS rejects the request.

				 The NPAC SMS logs an error indicating that the M-SET Subscription Version Modify failed because the Old Service Provider had previously concurred to the port and the Conflict Restriction Window Tunable Time has been reached. The NPAC SMS issues an M-SET Error Response in CMIP (or MODR – ModifyReply in XML) to the SOA indicating accessDenied.
3.	SP	The Old SOA receives the M-SET response in CMIP (or MODR – ModifyReply in XML).	SP	The Subscription Version is not modified.
4.	NPAC	NPAC Personnel perform a query for the Subscription Version to verify that it is does not have a status of 'conflict'.	NPAC	The Subscription Version has a status of 'pending', the cause code, the authorization time stamp, and the Old Service Provider due date are not set and the authorization flag is set to 'True'.
5.	SP – conditi onal	Service Provider Personnel, using either the SOA or SOA LTI perform an NPAC SMS query for the Subscription Version to verify that it does not have a status of 'conflict'.	SP	The Subscription Version has a status of 'pending', the cause code, the authorization time stamp, and the Old Service Provider due date rare not set and the authorization flag is set to 'True'.
6.	SP - optiona 1	SP Personnel the using SOA perform a local query for the Subscription Version to verify that it does not have a status of 'conflict'.	SP	The Subscription Version has a status of 'pending, the cause code, the authorization time stamp, and the Old Service Provider due date are not set and the authorization flag is set to 'True'.

Test Case Number:	NANC 214-6	Priority:	RequiredConditional
Objective:	Versions into conflict usin Time has been reached. – Note: Per IIS3_4_1aPart2	ng an M-SET after Error 2, the flow for scen ity is handled by fl	mpt to put a range of 'pending' Subscription r the Conflict Restriction Window Tunable nario B.5.2.4 is not available over the XML low B.5.2.3, "SubscriptionVersion Modify Prior

B. REFERENCES

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NANC Change Order Revision Number:		Change Order Number(s):	NANC 214 – Conflict Functionality with Due Date = Today		
NANC FRS Version Number:	2.0.0	Relevant Requirement(s):	RR5-51		
NANC IIS Version Number:	2.0.1	Relevant Flow(s):	B.5.2.4 Subscription Version Modify Prior to Activate Using M-SET		

C. TIME ESTIMATE

TIME EDITIMATE					
Estimated	Estimated	Estimated	Estimated		
Execution	Prerequisite	NPAC Setup	SP Setup		
Time:	Setup Time:	Time:	Time:		

D. PREREQUISITE

THENEVOIDE	
Prerequisite Test Cases:	
Prerequisite NPAC Setup:	Verify that a range of pending Subscription Versions has been created where the Service Provider under test is the Old Service Provider and the due date is today.
Prerequisite SP Setup:	

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Old Service Provider personnel create an M-SET Subscription Version Modify Request to set the authorization flag to "FALSE" for a range of pending Subscription Versions where they are the Old Service Provider, and the due date is today.	SP	The SOA issues an M-SET Subscription Version Modify Request in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS.
2.	NPAC	The NPAC SMS accepts the M-SET Request in CMIP (or MODQ – ModifyRequest in XML) from the Service Provider.	NPAC	 The NPAC SMS determines that the Subscription Version status cannot be changed to conflict because the Old Service Provider had previously concurred to the port and the Conflict Restriction Window Tunable Time has been reached. (This violates system requirements.) The NPAC SMS rejects the request. The NPAC SMS logs an error indicating that the M-SET Subscription Version Modify failed

				 because the Old Service Provider had previously concurred to the port and the Conflict Restriction Window Tunable Time has been reached. 4. The NPAC SMS issues an M-SET Error Response in CMIP (or MODR – ModifyReply in XML) to the SOA indicating accessDenied.
3.	SP	The Old SOA receives the M-SET Error Response in CMIP (or MODR – ModifyReply in XML).	SP	The Subscription Versions are not modified.
4.	NPAC	NPAC Personnel perform a query for the Subscription Versions to verify that it does not have a status of 'conflict'.	NPAC	The Subscription Versions have a status of 'pending', the cause code, the authorization time stamp, and the Old Service Provider due date are not set and the authorization flag is set to True.
5.	SP – conditi onal	Service Provider Personnel, using either the SOA or SOA LTI an NPAC SMS query for the Subscription Versions to verify that it does not have a status of 'conflict'.	SP	The Subscription Versions have a status of 'pending', the cause code, the authorization time stamp, and the Old Service Provider due date rare not set and the authorization flag is set to True.
6.	SP - optiona l	Service Provider Personnel using the SOA perform a local query for the Subscription Version to verify that does not have a status of 'conflict'.	SP	The Subscription Versions have a status of 'pending, the cause code, the authorization time stamp, and the Old Service Provider due date are not set, and the authorization flag is set to True.

End of Chapter