

NPAC SMS/Individual Service Provider Certification and Regression Test Plan

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

Chapter 14

November 30, 2013
Release 3.4.6

Table of Contents

1.	<i>NANC 416 – BDD File for Notifications – Adding New Attributes</i>	5
2.	<i>NANC 440 – FCC Order, Medium Timers</i>	8
3.	<i>NANC 441 – FCC Order, SOA Indicator</i>	8
4.	<i>Additional/Optional Regression Testing (in addition to the actual Regression Phase of Turn Up Testing) – RECOMMENDED due to the importance of Medium Timers and one business day porting</i>	35

14. Individual Turn Up Test Scenarios related to NPAC Release 3.3.4.

Section 14 contains all test cases written for individual Service Provider Turn Up testing of Release 3.3.4.x of the NPAC software.

1. NANC 416 – BDD File for Notifications – Adding New Attributes

We will test this functionality using the following (existing) test case enhanced specifically for the NANC 416, NANC 440 and NANC 441 features of the rsms 3.3.4 release.

A. TEST IDENTITY

Test Case Number:	NANC 348-1	SUT Priority:	SOA	Optional
			LSMS	N/A
Objective:	SOA - NPAC personnel create a Bulk Data Download file for SOA notification data specifying a service provider ID and time range. Verification steps are performed to ensure the BDD file was processed successfully by the service provider system. – Success Note: Bulk Data Download scenarios for the XML interface will include Last Activity Timestamp, if supported by the Service Provider.			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 348
NANC FRS Version Number:		Relevant Requirement(s):	RR3-220, RR3-462, RR3-463, RR3-464, RR3-465, RR3-466, RR3-467, RR3-468, RR3-469
NANC IIS Version Number:		Relevant Flow(s):	N/A

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	Work with the Service Provider under test to create porting scenarios that result in a subset of the following notifications: subscriptionVersionCancellationAcknowledgeRequest subscriptionVersionRangeCancellationAcknowledgeRequest subscriptionVersionDonorSP-CustomerDisconnectDate subscriptionVersionRangeDonorSP-CustomerDisconnectDate subscriptionVersionNewSP-CreateRequest subscriptionVersionRangeNewSP-CreateRequest subscriptionVersionOldSP-ConcurrenceRequest subscriptionVersionRangeOldSP-ConcurrenceRequest subscriptionVersionStatusAttributeValueChange in CMIP (not available over the XML interface) subscriptionVersionRangeStatusAttributeValueChange in CMIP (not available over the XML interface) subscriptionVersionNPAC-ObjectCreation (*including Medium Timer indicator if supported by the Service Provider under test) subscriptionVersionRangeNPAC-ObjectCreation (*including Medium Timer indicator if supported by the Service Provider under test) subscriptionVersionNPAC-attributeValueChange (*including Medium Timer indicator if supported by the Service Provider under test)

	<p>subscriptionVersionRangeAttributeValueChanged (*including Medium Timer indicator if supported by the Service Provider under test)</p> <p>subscriptionVersionNewSP-FinalCreateWindowExpiration</p> <p>subscriptionVersionRangeNewSP-FinalCreateWindowExpiration</p> <p>subscriptionAudit-DiscrepancyRpt in CMIP (not available over the XML interface)</p> <p>subscriptionAuditResults</p> <p>subscriptionAudit-objectCreation in CMIP (not available over the XML interface)</p> <p>subscription Audit-objectDeletion in CMIP (not available over the XML interface)</p> <p>InpNPAC-SMS-Operational-Information in CMIP (not available over the XML interface)</p> <p>subscriptionVersionNewNPA-NXX</p> <p>subscriptionVersionOldSPFinalConcurrenceWindowExpiration</p> <p>subscriptionVersionRangeOldSPFinalConcurrenceWindowExpiration</p> <p>numberPoolBlock-objectCreation</p> <p>numberPoolBlock-attributeValueChanged</p> <p>numberPoolBlockStatusAttributeValueChanged in CMIP (not available over the XML interface)</p> <p>Note:</p> <p>In the objectCreation notifications within a notification BDD file: Medium Timer indicator, Timer Type and Business Hours are included uniquely (either a value or an empty placeholder when applicable) when the respective Service Provider configurable for each unique attribute is set to TRUE. Additionally, the Region supports tunable for the Medium Timer indicator must also be set to TRUE for the Medium Timer indicator to be included. These conditions must be true both at the time the notification was generated and at the time the BDD is created. If, for example the Service Provider supports only Medium Timers and Timer Type, and the Region Supports Medium Timers indicator both at the time the notification was originally generated and at the time the BDD was created, then the BDD will contain Medium Timer Indicator and Timer Type, but not Business Hours.</p> <p>In the attributeValueChanged notifications within a notification BDD file: Timer Type is included when the Service Provider under test supports both the Timer Type and Medium Timer Indicators and the Region supports the Medium Timer indicator. The Business Hours attribute is included when the Service Provider under test supports Medium Timers and Business Hours and the Region supports Medium Timer indicator. Medium Timer indicator is included when the Service Provider supports Medium Timers and the Region supports the Medium Timer indicator. Like in the objectCreation notification scenario, the Service Provider configurables and Region supports tunable must be set in these combinations at the time the notification was originally generated as well as at the time the BDD is requested for the attributes to be included in the AVC notification within the BDD.</p>
Prerequisite SP Setup:	Verify all Service Provider configurable settings reflect production values prior to performing functions to generate notifications for the BDD.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	NPAC personnel request a Bulk Data Download for Notification Data, specifying the Service Provider under test and a Time	NPAC	<ol style="list-style-type: none"> 1. The NPAC SMS receives the request from the NPAC OP GUI. 2. The NPAC SMS generates the Bulk Data Download File.

		Range equal to the prerequisite activities.		
2.	SP	Service Provider personnel FTP the Bulk Data Download File and load the file into their SOA.	SP	Service Provider personnel successfully process the BDD file.
3. optional	SP	Service Provider personnel, using their SOA, perform a local query for the Notification Data to verify that the Notification data was loaded.	SP	The Notification data was loaded.

E. Pass/Fail Analysis, NANC 348-1

Pass	Fail	NPAC personnel performed the test case as written.
Pass	Fail	Service Provider personnel performed the test case as written.

2. NANC 440 – FCC Order, Medium Timers

This change order introduces the Service Provider and System tunables required to support Medium Timer ports. These tunables will be tested as a result of Medium Timer Port scenarios tested with NANC 441 test cases.

3. NANC 441 – FCC Order, SOA Indicator

A. TEST IDENTITY

Test Case Number:	NANC 441-1	SUT Priority:	SOA	Conditional
			LSMS	N/A
Objective:	SOA – New Service Provider (System Under Test – (SUT)) issues a single TN, Inter-SP Create, setting the Medium Timer Indicator (MTI) to True. Wait for the T1 and T2 Timers to expire. Old Service Provider issues a create where the Medium Timer Indicator is set to False. Both Service Provider Profiles indicate they support Medium Timers. Initial Concurrence Timer is re-set. T2 notification is sent to NSP based on the L-12.0b Notification Priority Setting – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 440 & NANC 441
NANC FRS Version Number:		Relevant Requirement(s):	RR3-182, R5-15.1, R5-18.1, RR5-182, RR5-183, RR5-184
NANC IIS Version Number:		Relevant Flow(s):	B.5.1.2, B.5.1.4.1, B.5.1.4.2, B.5.1.4

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	<ol style="list-style-type: none"> The Service Provider under test is assigned the code as indicated in the network data defined in the NPAC SMS OR the TN that will be used is currently an ‘active’ Subscription Version associated with the Service Provider under test. Verify all Service Provider configurables are set to their production values for the Service Provider under test. Verify the SOA Supports Medium Timer Indicator is set to the production value for the Service Provider under test.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New Service Provider Personnel submit a request to create a ‘pending’, Inter-Service Provider, Subscription Version specifying a TN that is either	NPAC	The NPAC SMS receives the M-ACTION Request subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) from the Service Provider SOA.

		<p>already 'active' OR is within an NPA-NXX associated with their SPID in the NPAC SMS network data.</p> <p>2. The New Service Provider SOA sends an M-ACTION subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS InpSubscription object to create a new subscriptionVersionNPAC. The New Service Provider must specify the following attributes:</p> <ul style="list-style-type: none"> • subscriptionTN or a valid subscriptionVersionTN-Range • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionNewSP-DueDate (seconds set to zero) • subscriptionLNPTType • subscriptionPortingToOriginal-SP Switch • subscriptionNewSPMediumTime rIndicator – Set to TRUE • subscriptionLRN • subscriptionCLASS-DPC • subscriptionCLASS-SSN • subscriptionLIDB-DPC • subscriptionLIDB-SSN • subscriptionCNAM-DPC • subscriptionCNAM-SSN • subscriptionISVM-DPC • subscriptionISVM-SSN • subscriptionWSMSC-DPC - if supported by the Service provider SOA • subscriptionWSMSC-SSN - if supported by the Service Provider SOA • subscriptionSVType – if supported by the Service Provider SOA <p>The following attributes are optional (when PTO=False):</p> <ul style="list-style-type: none"> • subscriptionEndUser LocationValue • subscriptionEndUser LocationType • subscriptionBillingID • subscriptionOptionalData – at 		
--	--	--	--	--

		least one but not all elements supported by the Service Provider SOA.		
2.	NPAC	The NPAC SMS issues an M-CREATE subscriptionVersionNPAC to itself to create the Subscription Version and set the status to 'pending', as well as the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time.	NPAC	NPAC Personnel verify that the Subscription Version with LNP Type set to 'LSPP' exists on the NPAC SMS. Specifically verify that the MTI indicator has been set for the SV as well as appropriate Business Hours and Timer Type.
3.	NPAC	The NPAC SMS issues a successful M-ACTION Response subscriptionVersionNewSP-Create in CMIP (or NCRR – NewSpCreateReply in XML) to the originating SOA.	SP	On the SOA, verify that the Subscription Version with LNP Type set to 'LSPP' exists.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the Old Service Provider SOA including the following information: <ul style="list-style-type: none"> • subscriptionVersionID • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionNewSP-DueDate (seconds set to zeros) • subscriptionTimerType – if supported by the Service Provider SOA • subscriptionBusinessType – if supported by the Service Provider SOA • subscriptionNewSPMediumTimerIndicator – if supported by the Service Provider SOA indicating this Subscription Version has been created on the NPAC SMS.	SP	Verify that the Subscription Version with LNP Type set to 'LSPP' exists on the NPAC SMS.
5.	NPAC	NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New Service Provider SOA	SP	Verify that the Subscription Version with LNP Type set to 'LSPP' exists on the NPAC SMS.

		indicating this Subscription Version has been created on the NPAC SMS.		
6.	NPAC	<p>1. Wait for the Medium Initial Concurrence Timer to expire based on the system tunable interval:</p> <ul style="list-style-type: none"> NPAC SMS issues an M-EVENT-REPORT subscriptionVersionOldSP-ConcurrenceRequest in CMIP (or VOIN – SvOldSpConcurrenceNotification in XML) to the Old Service Provider SOA at the Initial interval. <p>2. Wait for the Medium Final Concurrence Timer to expire based on the system tunable interval:</p> <ul style="list-style-type: none"> NPAC SMS issues an M-EVENT-REPORT subscriptionVersionOldSPFinalConcurrenceWindowExpiration in CMIP (or VOFN – SvOldSpFinalConcurrenceWindowExpirationNotification in XML) to the Old Service Provider SOA at the Final interval. NPAC SMS issues an M-EVENT-REPORT subscriptionVersionOldSPFinalConcurrenceWindowExpiration in CMIP (or VOFN – SvOldSpFinalConcurrenceWindowExpirationNotification in XML) to the New Service Provider SOA (based on their NPAC Customer SOA Supports New SP Notification of Old SP T2 Expiration Indicator) at the Final interval. 	SP	<p>1. Old Service Provider SOA receives the M-EVENT-REPORT in CMIP (or VOIN – SvOldSpConcurrenceNotification in XML) at the Medium Initial Concurrence interval and issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.</p> <p>2. Old Service Provider SOA receives the M-EVENT-REPORT in CMIP (or VOFN – SvOldSpFinalConcurrenceWindowExpirationNotification in XML) at the Medium Final Concurrence interval and issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.</p> <p>3. If the New Service Provider supports it, their SOA receives the M-EVENT-REPORT in CMIP (or VOFN – SvOldSpFinalConcurrenceWindowExpirationNotification in XML) at the Medium Final Concurrence interval and issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.</p>
7.	NPAC	<p>Acting as the Old Service Provider, issue an M-ACTION subscriptionVersionOldSP-Create in CMIP (or OCRQ – OldSpCreateRequest in XML) for the TN used in this test case.</p> <p>The following attributes must be</p>	NPAC	<p>NPAC SMS verifies the request is valid.</p> <p>The NPAC SMS issues an M-SET Request subscriptionVersionNPAC to set the subscriptionOldSP-AuthorizationTimeStamp and subscriptionModifiedTimeStamp and all other attributes specified in the request.</p> <p>The Initial and Final Concurrence Timers are deleted and re-set.</p>

		<p>specified:</p> <ul style="list-style-type: none"> • subscriptionTN or a valid subscriptionVersionTN-Range • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionOldSP-Authorization • subscriptionOldSP-DueDate (seconds set to zeros) • subscriptionLNPTtype • subscriptionOldSPMediumTimerIndicator – Set to FALSE 		<p>The NPAC SMS issues and M-ACTION Response subscriptionVersionOldSP-Create in CMIP (or OCRR – OldSpCreateReply in XML) to the Old Service Provider indicating the request was processed successfully.</p>
8.	NPAC	<p>NPAC SMS issues an M-EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA for all attributes updated as a result of the Old Service Provider Release including:</p> <ul style="list-style-type: none"> • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionTimerType – if supported by the Service provider SOA (this will be set based on the default processing rules as a result of the Port In and Port Out configurables in both Service Provider profiles) • subscriptionBusinessType – if supported by the Service Provider SOA (this will be set based on the default processing rules as a result of the Business Hours and Business Days configurables in both Service Provider profiles) • subscriptionOldSPMediumTimerIndicator – (FALSE) 	NPAC	<p>NPAC SMS (Old Service Provider simulator) issues an M-EVENT-REPORT attributeValueChange Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.</p>
9.	NPAC	<p>NPAC SMS issues an M-EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider SOA.</p> <ul style="list-style-type: none"> • subscriptionOldSP-DueDate 	SP	<p>New Service Provider SOA issues an M-EVENT-REPORT attributeValueChange confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.</p>

		<ul style="list-style-type: none"> • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionTimerType – if supported by the Service provider SOA (this will be set based on the default processing rules as a result of the Port In and Port Out configurables in both Service Provider profiles) • subscriptionBusinessType – if supported by the Service Provider SOA (this will be set based on the default processing rules as a result of the Business Hours and Business Days configurables in both Service Provider profiles) • subscriptionOldSPMediumTimerIndicator – (FALSE) 		
10.	NPAC	NPAC personnel perform a query for the Subscription Version.	NPAC	NPAC personnel verify that the Subscription Version exists with a status of Pending and the Timer Type and Business Hours are set according to default porting rules based on the New and Old Service Provider's Port In, Port Out, Business Hours and Business Days settings in their Service Provider profiles.
11. optional	SP	Service Provider personnel, perform a local query for the Subscription Version.	SP	New Service Provider personnel verify that the Subscription Version exists with a status of Pending and the Timer Type and Business Hours (if they support them) are set according to default porting rules based on the New and Old Service Provider's Port In, Port Out, Business Hours and Business Days settings in their Service Provider profiles.

E. Pass/Fail Analysis, NANC 441-1

Pass	Fail	NPAC personnel performed the test case as written.
Pass	Fail	Service Provider personnel performed the test case as written.

A. TEST IDENTITY

Test Case Number:	NANC 441-2	SUT Priority:	SOA	Conditional
			LSMS	N/A
Objective:	SOA – Old Service Provider (SUT) issues a single TN, Inter-SP Create, setting the MTI to True. New Service Provider issues a create and sets MTI to False. Both Service Provider profiles indicate they support Medium Timers. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 440 and NANC 441
NANC FRS Version Number:		Relevant Requirement(s):	RR3-182, R5-18.1, RR5-182, RR5-183, RR5-184
NANC IIS Version Number:		Relevant Flow(s):	B.5.1.1, B.5.1.3

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	<ol style="list-style-type: none"> 1. The Service Provider under test is assigned the code as indicated in the network data defined in the NPAC SMS OR the TN that will be used is currently an ‘active’ Subscription Version associated with the Service Provider under test. 2. Verify all Service Provider configurables are set to their production values for the Service Provider under test. 3. Verify the SOA Supports Medium Timer Indicator is set to the production value for the Service Provider under test.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ol style="list-style-type: none"> 1. Using the SOA, Old Service Provider Personnel submit a request to Create a ‘pending’, Inter-Service Provider, Subscription Version specifying a TN that is either already ‘active’ OR is within an NPA-NXX associated with their SPID in the NPAC SMS network data. 2. The Old Service Provider SOA sends an M-ACTION subscriptionVersionOldSP-Create in CMIP (or OCRQ – OldSpCreateRequest in XML) to the NPAC SMS InpSubscription object to create 	NPAC	The NPAC SMS receives the M-ACTION Request subscriptionVersionOldSP-Create in CMIP (or OCRQ – OldSpCreateRequest in XML) from the Service Provider SOA.

		<p>a new subscriptionVersionNPAC. The Old Service Provider must specify the following attributes:</p> <ul style="list-style-type: none"> • subscriptionTN or a valid subscriptionVersionTN-Range • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionOldSP-DueDate (seconds set to zero) • subscriptionOldSP-Authorization • subscriptionLNPTType • subscriptionNewSPMediumTime rIndicator – Set to TRUE 		
2.	NPAC	<p>The NPAC SMS issues an M-CREATE subscriptionVersionNPAC to itself to create the Subscription Version and set the status to 'pending', as well as the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time.</p>	NPAC	<p>NPAC Personnel verify that the Subscription Version with LNP Type set to 'LSPP' exists on the NPAC SMS.</p> <p>Specifically verify that the MTI indicator has been set for the SV as well as appropriate Business Hours and Timer Type.</p>
3.	NPAC	<p>The NPAC SMS issues a successful M-ACTION Response subscriptionVersionOldSP-Create in CMIP (or OCR – OldSpCreateReply in XML) to the originating SOA.</p>	SP	<p>On the SOA, verify that the Subscription Version with LNP Type set to 'LSPP' exists.</p>
4.	NPAC	<p>NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the Old Service Provider SOA including the following information:</p> <ul style="list-style-type: none"> • subscriptionVersionID • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate (seconds set to zeros) • subscriptionOldSP-Authorization (TRUE) • subscriptionOldSP-AuthorizationTimeStamp • subscriptionVersionStatus • subscriptionTimerType – if supported by the Service Provider SOA • subscriptionBusinessType – if 	SP	<p>Old Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.</p>

		<p>supported by the Service Provider SOA</p> <ul style="list-style-type: none"> • subscriptionOldSPMediumTimerIndicator – (TRUE) 		
5.	NPAC	<p>NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New Service Provider SOA indicating this Subscription Version has been created on the NPAC SMS including the same attributes specified in step 4 above, based on what the New Service Provider supports.</p>	SP	<p>New Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.</p>
6.	NPAC	<p>Acting as the New Service Provider, issue an M-ACTION subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) for the TN used in this test case.</p> <p>The following attributes must be specified:</p> <ul style="list-style-type: none"> • subscriptionTN or a valid subscriptionVersionTN-Range • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionNewSP-DueDate (seconds set to zeros) • subscriptionLNPTtype • subscriptionPortingToOriginal-SP Switch (FALSE) • subscriptionNewSPMediumTimerIndicator – Set to FALSE • subscriptionLRN • subscriptionCLASS-DPC • subscriptionCLASS-SSN • subscriptionLIDB-DPC • subscriptionLIDB-SSN • subscriptionCNAM-DPC • subscriptionCNAM-SSN • subscriptionISVM-DPC • subscriptionISVM-SSN • subscriptionWSMSC-DPC - if supported by the Service provider SOA • subscriptionWSMSC-SSN - if supported by the Service Provider SOA • subscriptionSVType – if supported by the Service 	NPAC	<p>NPAC SMS verifies the request is valid.</p> <p>The NPAC SMS issues an M-SET Request subscriptionVersionNPAC to set the subscriptionModifiedTimeStamp, subscriptionCreationTimeStamp and all other attributes specified in the request.</p> <p>The NPAC SMS issues and M-ACTION Response subscriptionVersionNewSP-Create in CMIP (or NCRR – NewSpCreateReply in XML) to the New Service Provider indicating the request was processed successfully.</p>

		<p align="center">Provider SOA</p> <p>The following attributes are optional (when PTO=False):</p> <ul style="list-style-type: none"> • subscriptionEndUser LocationValue • subscriptionEndUser LocationType • subscriptionBillingID • subscriptionOptionalData – at least one but not all elements supported by the Service Provider SOA. 		
7.	NPAC	<p>NPAC SMS issues an M-EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA for all attributes updated as a result of the New Service Provider Create including:</p> <ul style="list-style-type: none"> • subscriptionNewSP-DueDate • subscriptionNewSP-CreationTimeStamp • subscriptionNewSPMediumTimerIndicator – (FALSE) 	SP	Old Service Provider SOA issues an M-EVENT-REPORT attributeValueChange Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
8.	NPAC	<p>NPAC SMS issues an M-EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider SOA for all attributes updated as a result of the New Service Provider Create including:</p> <ul style="list-style-type: none"> • subscriptionNewSP-DueDate • subscriptionNewSP-CreationTimeStamp • subscriptionNewSPMediumTimerIndicator – (FALSE) 	SP	New Service Provider SOA issues an M-EVENT-REPORT attributeValueChange confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
9.	NPAC	NPAC personnel perform a query for the Subscription Version.	NPAC	NPAC personnel verify that the Subscription Version exists with a status of Pending and the Timer Type and Business Hours are set to Medium porting interval.
10. optional	SP	Service Provider personnel, perform a local query for the Subscription Version.	SP	Old Service Provider personnel verify that the Subscription Version exists with a status of Pending and the Timer Type and Business Hours (if they support them) are set to Medium porting interval.

E. Pass/Fail Analysis, NANC 441-2

Pass	Fail	NPAC personnel performed the test case as written.
------	------	--

Pass	Fail	Service Provider personnel performed the test case as written.
Pass	Fail	Service Provider SOA received the error response from the NPAC SMS and handled it appropriately.

A. TEST IDENTITY

Test Case Number:	NANC 441-3	SUT Priority:	SOA	Conditional
			LSMS	N/A
Objective:	<p>NANC 440/441 – 3: SOA – New Service Provider modifies the MTI from False to True for a single TN, Inter-SP, Pending subscription version after the T1 Timer has expired (before the Old Service Provider has issued their release). – Success</p> <p>Let T2 timer expire; NSP will receive T2 expiry notification based on their support of the L-12.0b notification priority.</p> <p>Note: Per IIS3_4_1aPart2, the flow for scenario B.5.2.4 is not available over the XML interface. This functionality is handled by flow B.5.2.3, “SubscriptionVersion Modify Prior to Activate Using M-ACTION”.</p>			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 440 and NANC 441
NANC FRS Version Number:		Relevant Requirement(s):	RR3-182, R5-27.1, R5-29.1, RR5-182, RR5-183, RR5-184, RR5-186, RR5-188, RR5-189
NANC IIS Version Number:		Relevant Flow(s):	B.5.2.3 or B.5.2.4

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> Verify a Pending SV exists where the SUT has already issued the New Service Provider create request. The NewSPMediumTimerIndicator should be set to TRUE, per test case objective, the Initial Concurrence Timer has expired, and the Old Service Provider has not yet issued their Old Service Provider release for the TN yet. Verify all Service Provider configurables are set to their production values for the Service Provider under test. Verify the SOA Supports Medium Timer Indicator is set to the production value for the Service Provider under test.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	New Service Provider SOA issues an M-ACTION Request subscriptionVersionModify in CMIP (or MODQ – ModifyRequest in XML) for a Pending Subscription Version in which the Old Service Provider has not yet issued their release. The Medium Timer Indicator is currently set to False.	NPAC	<p>NPAC SMS receives the M-ACTION Request subscriptionVersionModify in CMIP (or MODQ – ModifyRequest in XML) from the New Service Provider SOA.</p> <p>NPAC SMS verifies the request is valid and issues an M-SET to itself for the modified attributes in the subscriptionVersionNPAC object as well as sets the subscriptionModifiedTimeStamp.</p> <p>NPAC SMS issues an M-SET Response to itself.</p>

		New Service Provider SOA should specify only the subscriptionNewSPMediumTimerIndicator (TRUE) in the subscriptionVersionModify.		
2.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or MODR – ModifyReply in XML) to the New Service Provider SOA indicating the request was successfully processed.	SP	New Service Provider SOA receives the M-ACTION Response in CMIP (or MODR – ModifyReply in XML) from the NPAC SMS.
3.	NPAC	NPAC SMS issues an M-EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA for the attributes modified: <ul style="list-style-type: none"> • subscriptionTimerType – if supported by the Service Provider SOA (MEDIUM) • subscriptionBusinessHours – if supported by the Service Provider SOA (MEDIUM) • subscriptionNewSPMediumTimerIndicator (TRUE) 	SP	Old Service Provider SOA receives the M-EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) and issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider SOA for the attributes modified: <ul style="list-style-type: none"> • subscriptionTimerType – if supported by the Service Provider SOA (MEDIUM) • subscriptionBusinessHours – if supported by the Service Provider SOA (MEDIUM) • subscriptionNewSPMediumTimerIndicator (TRUE) 	SP	New Service Provider SOA receives the M-EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) and issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
5.	NPAC	1. Wait for the Medium Initial Concurrence Timer to expire based on the system tunable interval: <ul style="list-style-type: none"> • NPAC SMS issues an M-EVENT-REPORT subscriptionVersionOldSP-ConcurrenceRequest in CMIP (or VOIN – SvOldSpConcurrenceNotification in XML) to the Old 	SP	1. Old Service Provider SOA receives the M-EVENT-REPORT in CMIP (or VOIN – SvOldSpConcurrenceNotification in XML) at the Medium Initial Concurrence interval and issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS. 2. Old Service Provider SOA receives the M-EVENT-REPORT in CMIP (or VOFN – SvOldSpFinalConcurrenceWindowExpirationNotification in XML) at the Medium Final Concurrence interval and issues an M-EVENT-REPORT Confirmation in CMIP (or

		<p>Service Provider SOA at the Initial interval.</p> <p>2. Wait for the Medium Final Concurrence Timer to expire based on the system tunable interval:</p> <ul style="list-style-type: none"> NPAC SMS issues an M-EVENT-REPORT subscriptionVersionOldSPFinalConcurrenceWindowExpiration in CMIP (or VOFN – SvOldSpFinalConcurrenceWindowExpirationNotification in XML) to the Old Service Provider SOA at the Final interval. NPAC SMS issues an M-EVENT-REPORT subscriptionVersionOldSPFinalConcurrenceWindowExpiration in CMIP (or VOFN – SvOldSpFinalConcurrenceWindowExpirationNotification in XML) to the New Service Provider SOA (based on their SV old SP final concurrence timer expiration to new SP priority setting) at the Final interval. 		<p>NOTR – NotificationReply in XML) to the NPAC SMS.</p> <p>3. If the New Service Provider supports it, their SOA receives the M-EVENT-REPORT in CMIP (or VOFN – SvOldSpFinalConcurrenceWindowExpirationNotification in XML) at the Medium Final Concurrence interval and issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.</p>
6.	NPAC	NPAC personnel perform a query for the Subscription Version.	NPAC	NPAC personnel verify that the Subscription Version exists with a status of Pending and the Timer Type and Business Hours are set to Medium.
7. optional	SP	Service Provider personnel perform a local query for the Subscription Version.	SP	Service Provider personnel verify that the Subscription Version exists with a status of Pending.

E. Pass/Fail Analysis, NANC 441-3

Pass	Fail	NPAC personnel performed the test case as written.
Pass	Fail	Service Provider personnel performed the test case as written.
Pass	Fail	Service Provider SOA received the error response from the NPAC SMS and handled it appropriately.

A. TEST IDENTITY

Test Case Number:	NANC 441-4	SUT Priority:	SOA	Conditional
			LSMS	N/A
Objective:	NANC 440/441 – 4: SOA – Old Service Provider modifies the MTI for a range of TNs from True to False, Inter-SP, Pending (or Conflict) subscription version before the New Service Provider has issued their create – Success Note: Per IIS3_4_1aPart2, the flow for scenario B.5.2.4 is not available over the XML interface. This functionality is handled by flow B.5.2.3, “SubscriptionVersion Modify Prior to Activate Using M-ACTION”.			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 440 and NANC 441
NANC FRS Version Number:		Relevant Requirement(s):	RR3-182, R5-27.13, R5-29.1, RR5-182, RR5-187, RR5-188, RR5-189
NANC IIS Version Number:		Relevant Flow(s):	B.5.2.3 or B.5.2.4

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> Verify a range of Pending and/or Conflict SVs exists where the SUT has already issued the Old Service Provider release request. The OldSPMediumTimerIndicator should be set to TRUE, per test case objective, and the New Service Provider has not yet issued their New Service Provider create for the TN yet. Verify all Service Provider configurables are set to their production values for the Service Provider under test. Verify the SOA Supports Medium Timer Indicator is set to the production value for the Service Provider under test.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Old Service Provider SOA issues an M-ACTION Request subscriptionVersionModify in CMIP (or MODQ – ModifyRequest in XML) for a range of Pending and/or Conflict Subscription Versions in which the New Service Provider has not yet issued their create. The Medium Timer Indicator is currently set to True. Old Service Provider SOA should specify only the	NPAC	NPAC SMS receives the M-ACTION Request subscriptionVersionModify in CMIP (or MODQ – ModifyRequest in XML) from the Old Service Provider SOA. NPAC SMS verifies the request is valid and issues an M-SET to itself for the modified attributes in the subscriptionVersionNPAC object as well as sets the subscriptionModifiedTimeStamp. NPAC SMS issues an M-SET Response to itself.

		subscriptionOldSPMediumTimerIndicator (FALSE) in the subscriptionVersionModify.		
2.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or MODR – ModifyReply in XML) to the Old Service Provider SOA indicating the request was successfully processed.	SP	Old Service Provider SOA receives the M-ACTION Response in CMIP (or MODR – ModifyReply in XML) from the NPAC SMS.
3.	NPAC	NPAC SMS issues depending on the Old Service Provider’s TN Range Indicator either an M-EVENT-REPORT attributeValueChange or subscriptionVersionRangeAttribute ValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA for the attributes modified: <ul style="list-style-type: none"> • subscriptionTimerType – if supported by the Service Provider SOA (LONG or SHORT depending on the Port Out/Port In Timer Type in the Old and New Service Provider profiles) • subscriptionBusinessHours – if supported by the Service Provider SOA (LONG or SHORT depending on the Port Out/Port In Timer Type in the Old and New Service Provider profiles) • subscriptionOldSPMediumTimerIndicator (FALSE) 	SP	Old Service Provider SOA receives the M-EVENT-REPORT attributeValueChange (or subscriptionVersionRangeAttributeValueChange) in CMIP (or VATN – SvAttributeValueChangeNotification in XML) and issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
4.	NPAC	NPAC SMS issues depending on the New Service Provider’s TN Range Indicator either an M-EVENT-REPORT attributeValueChange or subscriptionVersionRangeAttribute ValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider SOA for the attributes modified: <ul style="list-style-type: none"> • subscriptionTimerType – if supported by the Service Provider SOA (LONG or SHORT depending on the Port Out/Port In Timer Type in the Old and New Service 	SP	New Service Provider SOA receives the M-EVENT-REPORT attributeValueChange (or subscriptionVersionRangeAttributeValueChange) in CMIP (or VATN – SvAttributeValueChangeNotification in XML) and issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.

		<p>Provider profiles)</p> <ul style="list-style-type: none"> • subscriptionBusinessHours – if supported by the Service Provider SOA (LONG or SHORT depending on the Port Out/Port In Timer Type in the Old and New Service Provider profiles) • subscriptionOldSPMediumTimerIndicator – if supported by the Service Provider SOA (FALSE) 		
5.	NPAC	NPAC personnel perform a query for the Subscription Version.	NPAC	NPAC personnel verify that the Subscription Versions exist with a status of Pending or Conflict (same status as prior to the modify request) and the Timer Type and Business Hours are set to the appropriate value based on Port In/Port Out Timer Type and Business Hours/Business Days profile settings for the Old and New Service Providers.
6. optional	SP	Service Provider personnel perform a local query for the Subscription Version.	SP	Service Provider personnel verify that the Subscription Versions exist with a status of Pending or Conflict (same status as prior to the modify request).

E. Pass/Fail Analysis, NANC 441-4

Pass	Fail	NPAC personnel performed the test case as written.
Pass	Fail	Service Provider personnel performed the test case as written.

A. TEST IDENTITY

Test Case Number:	NANC 441-5	SUT Priority:	SOA	Conditional
			LSMS	N/A
Objective:	SOA – New Service Provider modifies the MTI from False to True for an Inter-SP, Porting to Original subscription version (before the Old Service Provider has issued their release) – Success Note: Per IIS3_4_1aPart2, the flow for scenario B.5.2.4 is not available over the XML interface. This functionality is handled by flow B.5.2.3, “SubscriptionVersion Modify Prior to Activate Using M-ACTION”.			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 440 and NANC 441
NANC FRS Version Number:		Relevant Requirement(s):	RR5-183, R5-27.1, R5-27.2, R5-29.1, RR5-188, RR5-189
NANC IIS Version Number:		Relevant Flow(s):	B.5.2.3 or B.5.2.4

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 1. Verify a Pending, Inter-SP, Porting to Original SV exists where the SUT has already issued the New Service Provider create request. The NewSPMediumTimerIndicator should be set to FALSE, per test case objective, and the Old Service Provider has not yet issued their Old Service Provider release for the TN yet. 2. Verify all Service Provider configurables are set to their production values for the Service Provider under test. 3. Verify the SOA Supports Medium Timer Indicator is set to the production value for the Service Provider under test.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	New Service Provider SOA issues an M-ACTION Request subscriptionVersionModify in CMIP (or MODQ – ModifyRequest in XML) for a Pending Subscription Version in which the Old Service Provider has not yet issued their release. The Medium Timer Indicator is currently set to False. New Service Provider SOA should specify only the subscriptionNewSPMediumTimerIndicator (TRUE) in the	NPAC	NPAC SMS receives the M-ACTION Request subscriptionVersionModify in CMIP (or MODQ – ModifyRequest in XML) from the New Service Provider SOA. NPAC SMS verifies the request is valid and issues an M-SET to itself for the modified attributes in the subscriptionVersionNPAC object as well as sets the subscriptionModifiedTimeStamp. NPAC SMS issues an M-SET Response to itself.

		subscriptionVersionModify.		
2.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or MODR – ModifyReply in XML) to the New Service Provider SOA indicating the request was successfully processed.	SP	New Service Provider SOA receives the M-ACTION Response in CMIP (or MODR – ModifyReply in XML) from the NPAC SMS.
3.	NPAC	NPAC SMS issues an M-EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA for the attributes modified: <ul style="list-style-type: none"> • subscriptionTimerType – if supported by the Service Provider SOA (MEDIUM) • subscriptionBusinessHours – if supported by the Service Provider SOA (MEDIUM) • subscriptionNewSPMediumTimerIndicator (TRUE) 	SP	Old Service Provider SOA receives the M-EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) and issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider SOA for the attributes modified: <ul style="list-style-type: none"> • subscriptionTimerType – if supported by the Service Provider SOA (MEDIUM) • subscriptionBusinessHours – if supported by the Service Provider SOA (MEDIUM) • subscriptionNewSPMediumTimerIndicator (TRUE) 	SP	New Service Provider SOA receives the M-EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) and issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
5.	NPAC	NPAC personnel perform a query for the Subscription Version.	NPAC	NPAC personnel verify that the Subscription Version exists with a status of Pending and the Timer Type and Business Hours are set to Medium.
6. optional	SP	Service Provider personnel perform a local query for the Subscription Version.	SP	Service Provider personnel verify that the Subscription Version exists with a status of Pending.

E. Pass/Fail Analysis, NANC 441-5

Pass	Fail	NPAC personnel performed the test case as written.
Pass	Fail	Service Provider personnel performed the test case as written.

A. TEST IDENTITY

Test Case Number:	NANC 441-6	SUT Priority:	SOA	Conditional
			LSMS	N/A
Objective:	NANC 440/441 – 6: SOA – New Service Provider attempts to modify the MTI for a single TN, Inter-SP, Pending (or Conflict) subscription version after the Old Service Provider has issued their create – Error Note: Per IIS3_4_1aPart2, the flow for scenario B.5.2.4 is not available over the XML interface. This functionality is handled by flow B.5.2.3, “SubscriptionVersion Modify Prior to Activate Using M-ACTION”.			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 440 and NANC 441
NANC FRS Version Number:		Relevant Requirement(s):	RR5-186
NANC IIS Version Number:		Relevant Flow(s):	B.5.2.3 or B.5.2.4

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 1. Verify a Pending or Conflict SV exists where the SUT has already issued the New Service Provider create request. The NewSPMediumTimerIndicator should be set to FALSE, and the Old Service Provider has also issued their Old Service Provider release for the TN. 2. Verify all Service Provider configurables are set to their production values for the Service Provider under test. 3. Verify the SOA Supports Medium Timer Indicator is set to the production value for the Service Provider under test.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	New Service Provider SOA issues an M-ACTION Request subscriptionVersionModify in CMIP (or MODQ – ModifyRequest in XML) for a Pending or Conflict Subscription Version in which the Old Service Provider has also issued their release. The Medium Timer Indicator is currently set to False. New Service Provider SOA should specify only the subscriptionNewSPMediumTimerIndicator (TRUE) in the	NPAC	NPAC SMS receives the M-ACTION Request subscriptionVersionModify in CMIP (or MODQ – ModifyRequest in XML) from the New Service Provider SOA. NPAC SMS receives the M-ACTION Request subscriptionVersionModify in CMIP (or MODQ – ModifyRequest in XML) from the Service Provider SOA and determines this is an error since the Old Service Provider has already issued their release for the same TN. (This violates system requirements).

		subscriptionVersionModify.		
2.	NPAC	The NPAC SMS issues an M-ACTION Response failure in CMIP (or MODR – ModifyReply in XML) indicating an error with the request to the SOA.	SP	The Service Provider SOA receives the M-ACTION Response in CMIP (or MODR – ModifyReply in XML).
3.	NPAC	NPAC personnel perform a query for the Subscription Version.	NPAC	NPAC personnel verify that the Subscription Version exists with the same status as prior to the modify request (either Pending or Conflict).
4. optional	SP	Service Provider personnel perform a local query for the Subscription Version.	SP	Service Provider personnel verify that the Subscription Version exists with the same status as prior to the modify request (either Pending or Conflict).

E. Pass/Fail Analysis, NANC 441-6

Pass	Fail	NPAC personnel performed the test case as written.
Pass	Fail	Service Provider personnel performed the test case as written.
Pass	Fail	Service Provider SOA received the error response from the NPAC SMS and handled it appropriately.

A. TEST IDENTITY

Test Case Number:	NANC 441-7	SUT Priority:	SOA	Optional
			LSMS	N/A
Objective:	NANC 440/441 – 7: SOA – Old Service Provider modifies the MTI for a single TN, Inter-SP, Pending (or Conflict) subscription version after both Service Providers issued their initial create and prior to the activate – Success Note: Per IIS3_4_1aPart2, the flow for scenario B.5.2.4 is not available over the XML interface. This functionality is handled by flow B.5.2.3, “SubscriptionVersion Modify Prior to Activate Using M-ACTION”.			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 440 and NANC 441
NANC FRS Version Number:		Relevant Requirement(s):	RR3-182, RR5-182, RR5-187, R5-27.3, RR5-188, R5-29.1
NANC IIS Version Number:		Relevant Flow(s):	B.5.2.3 or B.5.2.4

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 1. Verify a Pending or Conflict SV exists where the SUT has already issued the Old Service Provider release request. The OldSPMediumTimerIndicator should be set to TRUE, and the New Service Provider has also issued their New Service Provider create for the TN. 2. Verify all Service Provider configurables are set to their production values for the Service Provider under test. 3. Verify the SOA Supports Medium Timer Indicator is set to the production value for the Service Provider under test.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Old Service Provider SOA issues an M-ACTION Request subscriptionVersionModify in CMIP (or MODQ – ModifyRequest in XML) for a single Pending or Conflict Subscription Version in which the New Service Provider has also issued their create. The Medium Timer Indicator is currently set to True. Old Service Provider SOA should specify only the subscriptionOldSPMediumTimerInd	NPAC	NPAC SMS receives the M-ACTION Request subscriptionVersionModify in CMIP (or MODQ – ModifyRequest in XML) from the Old Service Provider SOA. NPAC SMS verifies the request is valid and issues an M-SET to itself for the modified attributes in the subscriptionVersionNPAC object as well as sets the subscriptionModifiedTimeStamp. NPAC SMS issues an M-SET Response to itself.

		icator (FALSE) in the subscriptionVersionModify.		
2.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or MODR – ModifyReply in XML) to the Old Service Provider SOA indicating the request was successfully processed.	SP	Old Service Provider SOA receives the M-ACTION Response in CMIP (or MODR – ModifyReply in XML) from the NPAC SMS.
3.	NPAC	NPAC SMS issues an M-EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA for the attributes modified: <ul style="list-style-type: none"> • subscriptionTimerType – if supported by the Service Provider SOA (LONG or SHORT depending on the Port Out/Port In Timer Type in the Old and New Service Provider profiles) • subscriptionBusinessHours – if supported by the Service Provider SOA (LONG or SHORT depending on the Port Out/Port In Timer Type in the Old and New Service Provider profiles) • subscriptionOldSPMediumTimerIndicator (FALSE) 	SP	Old Service Provider SOA receives the M-EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) and issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
4.	NPAC	NPAC SMS issues depending on the New Service Provider’s TN Range Indicator either an M-EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider SOA for the attributes modified: <ul style="list-style-type: none"> • subscriptionTimerType – if supported by the Service Provider SOA (LONG or SHORT depending on the Port Out/Port In Timer Type in the Old and New Service Provider profiles) • subscriptionBusinessHours – if supported by the Service Provider SOA (LONG or SHORT depending on the Port Out/Port In Timer Type in 	SP	New Service Provider SOA receives the M-EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) and issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.

		the Old and New Service Provider profiles) <ul style="list-style-type: none"> • subscriptionOldSPMediumTimerIndicator – if supported by the Service Provider SOA (FALSE) 		
5.	NPAC	NPAC personnel perform a query for the Subscription Version.	NPAC	NPAC personnel verify that the Subscription Version exists with a status of Pending or Conflict (original status) and the Timer Type and Business Hours are set to the appropriate value based on Port In/Port Out Timer Type and Business Hours/Business Days profile settings for the Old and New Service Providers.
6. optional	SP	Service Provider personnel perform a local query for the Subscription Version.	SP	Service Provider personnel verify that the Subscription Version exists with a status of Pending or Conflict (original status).

E. Pass/Fail Analysis, NANC 441-7

Pass	Fail	NPAC personnel performed the test case as written.
Pass	Fail	Service Provider personnel performed the test case as written.

A. TEST IDENTITY

Test Case Number:	NANC 441-8	SUT Priority:	SOA	N/A
			LSMS	Optional
Objective:	NANC 440/441 – 8: – New Service Provider Personnel remove a Subscription Version from Conflict when the Timer Type and Business Type are set to ‘MEDIUM’ (after the Medium Conflict Resolution New Service Provider Restriction Tunable has expired) – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 440 and NANC 441
NANC FRS Version Number:		Relevant Requirement(s):	RR3-220, RR3-462, RR3-463, RR3-464, RR3-465, RR3-466, RR3-467, RR3-468, RR3-469
NANC IIS Version Number:		Relevant Flow(s):	B.5.5.2

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> Verify that the New and Old Service Provider’s ‘SOA Supports Timer Type’ and ‘SOA Supports Business Hours’ are set to ‘TRUE’ in their Customer Profile. Verify that a Subscription Version in ‘Conflict’ status exists with the Timer Type and Business Hours Type set to ‘MEDIUM’. 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.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ol style="list-style-type: none"> New Service Provider Personnel take action to remove a Subscription Version from Conflict, after the Medium Conflict Resolution New Service Provider Restriction Tunable has expired. The New Service Provider System issues an M-ACTION Request subscriptionVersionRemovalFromConflict in CMIP (or RFCQ – RemoveFromConflictRequest in XML) by specifying 	NPAC	<ol style="list-style-type: none"> The NPAC SMS receives the M-ACTION Request in CMIP (or RFCQ – RemoveFromConflictRequest in XML) from the New Service Provider SOA. The NPAC verifies that the Medium Conflict Resolution 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’. 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.

		the Subscription Version TN or the Subscription Version ID.		
2.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttribute ValueChange in CMIP (not available over the XML interface but included in step 4 below) to the New Service Provider SOA, to update the Subscription Version status to 'Pending'.	SP	The New Service Provider SOA receives the M-EVENT-REPORT in CMIP (not available over the XML interface) from the NPAC SMS and issues an M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface) back to the NPAC.
3. optional	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttribute ValueChange in CMIP (not available over the XML interface but included in step 5 below) to the Old Service Provider SOA to update the Subscription Version status to 'Pending'.	SP	The Old Service Provider SOA receives the M-EVENT-REPORT in CMIP (not available over the XML interface) from the NPAC SMS and issues an M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface) back to the NPAC.
4.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider SOA to update the Old Service Provider Authorization to 'TRUE' for the SV, and in XML the status is now Pending.	SP	The New Service Provider SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS and 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 subscriptionVersionAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA to update the Old Service Provider Authorization to 'TRUE' for the SV, and in XML the status is now Pending.	SP	The Old Service Provider SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS and 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-Conditional	Service Provider Personnel, using either their SOA or SOA LTI, 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-Optional	Service Provider Personnel, using their SOA, perform a local query for the Subscription Version that was	SP	The Subscription Version exists with a status of 'Pending'.

		removed from Conflict in this Test Case.		
--	--	--	--	--

E. Pass/Fail Analysis, NANC 441-8

Pass	Fail	NPAC personnel performed the test case as written.
Pass	Fail	Service Provider personnel performed the test case as written.

4. Additional/Optional Regression Testing (in addition to the actual Regression Phase of Turn Up Testing) – RECOMMENDED due to the importance of Medium Timers and one business day porting

NOTE: This section of Chapter 14 is only relevant until the next release of NPAC SMS software. With the subsequent release of NPAC SMS software (subsequent to 3.3.4), this recommended additional/optional regression testing can be disregarded since these regression test cases will be tested in a regular regression cycle.

Deleted as of R3.4.6.

