NPAC SMS Release 3.1.0
Turn Up Test Plan

~~DRAFT~~FINAL

Version ~~0.3~~1.0

~~October~~ November ~~19~~5, 2001

Publication History

Version	Release Date	Description
0.1	08/24/01	Initial draft of NPAC Release 3.1.0 Test Cases
0.2	09/24/01	Incorporated redlines from 1st review
0.3	10/19/01	Incorporated redlines from 2nd review
1.0	11/05/01	Incorporated redlines from 3rd review

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1. Preface

1.1 Purpose of this Document

The purpose of this document is to identify the NPAC Release 3.1 Test Cases. These Test Cases are based on NPAC SMS Release 3.1 requirements.

Actual Entrance and Exit criteria for test execution/completion are an agreement between individual Service Providers and the NPAC SMS vendor based upon the functionality supported by the local Service Provider SOA and/or LSMS systems.

This Test Plan contains Test Cases per functional component of the Software Release. The Test Cases cover basic Success and Error scenarios. Test Case Priority is indicated by the systems that participate in each respective Test Case. It is assumed that the NPAC SMS/NPAC Personnel participate in every Test Case of the Turn Up Test Plan. If the Test Case Priority for a system is marked as ***Required*** that system shall participate as the Test Case describes. A Test Case Priority of ***Conditional*** for a system means that the system shall participate in the Test Case as described, if the respective functionality has been implemented for that system. When the Test Case Priority is marked as ***Optional*** for a system, it is at the discretion of the Service Provider if they use the respective system to participate in the Test Case as described. Finally, the Test Case Priority may be marked as ***N/A*** for a Service Provider system which means that the functionality tested in this Test Case does not apply to this respective Service Provider system.

The different NPAC regions will turn-up Release 3.1 software at different times. As a result Service Providers that operate in multiple regions will need to handle Release 2, Release 3 and Release 3.1 interfaces (and respective data) simultaneously. This test plan does not include any guidelines or test cases for the purpose of testing backward compatibility between NPAC SMS releases.

1.2 Assumptions

All Test Cases should be executed where the Service Provider profile attributes are set such that they emulate the Service Provider's production environment unless otherwise stated in an individual test case.
A list of Service Provider Profile Flags and the valid values are provided in the following table:

Service Provider Profile Flag	Valid Values
LSMS Network Data Management	True/False
LSMS Queries	True/False
Support EDR Download	True/False
LSMS Support NPA-NXX-X	True/False
LSMS Support WSMSC Data	True/False
Port In Timer Type	Long/Short
Port Out Timer Type	Long/Short
SP Business Hours	Normal/Extended
SOA Management	True/False
SOA Network Data Management	True/False
SOA Data Download	True/False
SOA Support Business Hours	True/False
SOA Support NPA-NXX-X	True/False
SOA Support Timer Type	True/False
SOA Support WSMSC Data	True/False
Support Service Bureau	True/False

Customer TN Range Notification	True/False
No New SP Concurrence Notification	True/False
SOA Notification Priority **NOTE: For SOA Notifications there is a flag for each notification listed in Table C-7, Appendix C of the NANC FRS Release 3.1.0)**	High/Medium/Low/None

1.3 Audience

The intended audience for this document is NPAC SMS, SOA and LSMS system testers and anyone who is involved with NPAC SMS, SOA and LSMS testing. It is assumed that individuals using this test plan have an understanding of Local Number Portability, Number Pooling and related specification documents. The Test Cases are written from the Interface Interoperability Specification (IIS) perspective so users should have an understanding of this document specifically.

1.4 Conventions Used in this Document

1.1.1. Test Case Template

Test Cases are the bulk of the information presented in this document. Test Cases are comprised of the following information:

A. TEST IDENTITY

Test Case Number:	*Unique Test Case Identifier*	**SUT Priority:**	**SOA**	***Required*** *–This Service Provider systems shall participate.* ***Conditional*** *– If the Service Provider system has implemented the functionality represented in this Test Case, then the system shall participate.* ***Optional*** *– Service Provider may include this system as indicated by the Test Case.* ***N/A*** *– This Test Case does not apply to this system.*
			LSMS	*Required, Conditional, Optional or N/A.*

Objective:	*Test Case Objective. The Title specifies relevant systems to the test (NPAC SMS, SOA or LSMS) and the type of Test Case (success or error).*

B. REFERENCES

NANC Change Order Revision Number:	*If a change order revision is relevant – it's indicated here.*	**Change Order Number(s):**	*If a Change Order(s) is relevant – it is indicated here.*
NANC FRS Version Number:	*FRS version is indicated here.*	**Relevant Requirement(s):**	*Requirement(s) related to this Test Case are indicated here.*
NANC IIS Version Number:	*IIS version is indicated here.*	**Relevant Flow(s):**	*IIS Flow(s) related to this Test Case are indicated here.*

C. PREREQUISITE

Prerequisite Test Cases:	*Test Case, if any, to be successfully executed prior to this Test Case*
Prerequisite NPAC Setup:	*Steps to be executed by NPAC Personnel prior to Test Case execution*
Prerequisite SP Setup:	*Steps to be executed by Service Provider Personnel prior to Test Case execution*

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	*[system indicated here]*	*This test step is described here.*	*[system indicated here]*	*The expected results associated with this respective test step are indicated here.*

1.1.2. Test Case Numbering

Test Case Numbers are numeric numbers that identify the sections of functional component and a unique Test Case number. Below is a matrix associating the numeric prefixes used in this document and the associated functional component for test:

Numeric Pre-Fix	Respective Functional Component
1.	Change Order NANC 179 Test Cases
2.	Change Order NANC 240 Test Cases
3.	Change Order NANC 294 Test Cases
4.	Change Order NANC 328 Test Cases
5.	Change Order NANC 329 Test Cases

1.1.3. Test Case Priority

Each Test Case will have an associated Test Case Priority.

Required: This Test Case represents required functionality and shall be executed by the respective Service Provider system and/or NPAC SMS Vendor.

Conditional: This Test Case represents optional functionality. If a Service Provider has implemented the suggested functionality for this respective Service Provider system in the Test Case, they shall execute the Test Case as written. If there are not any Service Providers that have implemented the functionality, and therefore cannot verify the NPAC SMS behavior, the NPAC Personnel shall execute the Test Case with the use of simulators.

Optional: Service Provider may execute the Test Case as written if they have implemented the suggested functionality for this respective system. Typically 'optional' Test Cases verify 'additional' attributes of a requirement.

N/A: This Test Case does not apply to this Service Provider system. Thus the Service Provider does not need to test this respective system during this Test Case.

1.1.4. Test Case Prerequisites

Each Test Case contains a section for Prerequisites including Prerequisite Test Cases and/or Prerequisite NPAC Setup and/or Prerequisite SP Setup. When Perquisite Test Cases are identified this is simply referencing a Test Case that, when appropriately executed, will setup the proper scenario for executing that respective Test Case. Prerequisite Test Cases are not a good source for Test Case ordering to ensure efficient execution. Ordering of Test Cases for efficient execution should be reviewed on a Service Provider by Service Provider basis, based on their specific suite of Test Cases for exiting Turn Up Test.

1.1.5. Test Case Steps and Expected Results

Test Case steps and Expected results have fields to indicate the respective systems, test steps and their expected results.

1.5 Related Documents

North American Number Council (NANC) Functional Requirements Specification Number Portability Administration Center (NPAC) Service Management System (SMS), Release 3.1.0

NPAC SMS Interoperable Specifications NANC Version 3.1.0

1.6 Document Structure

This document is organized into sections as defined below:

Preface	This section describes the purpose and structure of this document
Chapters 2 - 7	Test Cases – one chapter for each change order and a chapter for the Group Test Cases
Appendix A	Test Case List and Results Table
Appendix B	Issues [indicate open/date and closed/date]

2. NANC 179 – TN Range Notification Test Cases

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

A. TEST IDENTITY

Test Case Number:	**2.1**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA - Old SP Personnel create a range of Inter-Service Provider subscription versions. Their Customer TN Range Notification Indicator is set to TRUE. New SP does not submit their create request. Initial and Final Concurrence Windows expire. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR3-237, RR3-239, RR5-113, RR5-115, R4-8
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.1, B.5.1.6.4, B.5.1.6.5

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Customer TN Range Notification Indicator is set to TRUE for the Old Service Provider. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the Old Service Provider.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC for a range of at least two consecutive TNs. 2. The SOA sends an M-ACTION subscriptionVersionOldSP-Create to the NPAC for the range of TNs they wish to create.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.
2.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for each TN in the range to create the respective subscription versions on the NPAC SMS.	NPAC	NPAC SMS receives each M-CREATE Request subscriptionVersionNPAC for each TN in the range and issues an M-CREATE Response subscriptionVersionNPAC to itself for each TN to set the subscription versions status to 'pending' and set the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time for each subscription version.
3.	NPAC	NPAC SMS issues an M-ACTION	SP	Old SP SOA receives the M-ACTION

		subscriptionVersionOldSP-Create Response to the Old SP SOA indicating the subscription versions were successfully created.		subscriptionVersionOldSP-Create Response from the NPAC SMS indicating the subscription versions were successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
4	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation to the Old SP SOA that contains one set of subscription version information for the range of TNs containing the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionId • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSp-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCause Code (if subscriptionOldSP-Authorization set to false) • subscriptionVersionStatus	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
5	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.

6	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID.
		  • subscriptionVersionId
		  • subscriptionTN
		  • subscriptionOldSP
		  • subscriptionNewCurrentSP
			SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

		• subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionVersionStatus • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported) • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation notification for each TN in the range.		
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
8.	NPAC	NPAC Personnel perform a query for the range of subscription versions created in this test case.	NPAC	The subscription versions exist with a status of 'pending'.
9.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending'.
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.
11.	NPAC	NPAC SMS waits for concurrence from the New SP for the range of TN's the Old SP created.	SP	New SP SOA **DOES NOT** respond to the create request and the Service Provider Concurrence Window tunable expires.
12.	NPAC	Once the Initial Concurrence Window has expired, the NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-CreateRequest notification that contains the following attributes: • start TN • end TN • start SVID	SP	New SP SOA receives the M-EVENT-REPORT(s) from the NPAC SMS.

		• end SVID • subscriptionOldSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported) • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-CreateRequest for each TN in the range.		
13.	SP	New SP SOA issues M-EVENT-REPORT Confirmation(s) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) from the New SP SOA.
14.	NPAC	NPAC SMS waits for concurrence from the New SP for the range of TN's the Old SP created.	SP	New SP SOA ~~**DOES NOT**~~**does not** respond to the create request and the Final Concurrence Window expires.
15.	NPAC	Once the Final Concurrence Window has expired, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration to the Old SP SOA according to their Final Create Window Expiration Notification.Indicator setting • If the setting is TRUE, they will receive the notification containing the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp	SP	Old SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration from the NPAC SMS according to their Final Create Window Expiration Notification Indicator setting~~.:~~ • ~~If the setting is TRUE they will receive the notification~~ ~~If the setting is FALSE, they will not receive a notification.~~

		• subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported) • If the setting is FALSE, no notification is sent.		
16.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
17.	NPAC	If the Final Create Window Expiration Notification Indicator is set to TRUE, NPAC SMS issues and M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeNewSP-FinalCreateWindowExpiration notification that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported) • If the setting is FALSE, NPAC SMS issues a subscriptionVersionNewSP-FinalCreateWindowExpiration for each TN in the range. • If the Final Create Window	SP	New SP SOA receives the M-EVENT-REPORT(s) from the NPAC SMS according to the setting of their Final Create Window Expiration Notification Indicator. • ~~If the setting is TRUE they will receive the notification. If the setting is FALSE, they will not receive a notification.~~

		Expiration Notification Indicator is set to FALSE, the NPAC SMS does not send the notification to the New SP SOA.		
18.	SP	If the notification was received the New SP SOA issues M-EVENT-REPORT Confirmation(s) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	If sent, NPAC SMS receives the M-EVENT-REPORT Confirmation(s) from the New SP SOA.
19.	NPAC	NPAC Personnel perform a query for the range of subscription versions created in this test case.	NPAC	The subscription versions exist with a status of 'pending'.
20.	SP – Optional	Via the SOA, Old SP Personnel perform a local query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending'.
21.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.2**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – New Service Provider Personnel create a range of 3 Inter-Service Provider subscription versions. Their Customer TN Range Notification Indicator is set to TRUE. Old Service Provider Personnel does not submit their create request. Initial Concurrence Window Expires. Final Concurrence Window Expires. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.2, B.5.1.6.2, B.5.1.6.3

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Customer TN Range Notification Indicator is set to TRUE for the New Service Provider. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC for a range of at least three consecutive TNs. 2. The SOA sends an M-ACTION subscriptionVersionNewSP-Create to the NPAC SMS for the range of TNs they wish to create.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request from the New SP SOA and verifies that each attribute specified is valid according to system requirements.
2.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for each TN in the range to create the respective subscription versions on the NPAC SMS.	NPAC	NPAC SMS receives each M-CREATE Request subscriptionVersionNPAC for each TN in the range and issues an M-CREATE Response subscriptionVersionNPAC to itself for each TN to set the subscription versions status to 'pending' and set the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time for each subscription version.
3.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionNewSP-Create Response to the New SP SOA indicating the subscription versions were successfully created.	SP	New SP SOA receives the M-ACTION subscriptionVersionNewSP-Create Response from the NPAC SMS indicating the subscription versions were successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.

4.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation to the New SP SOA that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionId • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-DueDate • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported)	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
5.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.

6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID.
		  • subscriptionVersionId
		  • subscriptionTN
		  • subscriptionOldSP
		  • subscriptionNewCurrentSP
		  • subscriptionNewSP-DueDate
		  • subscriptionNewSP-CreationTimeStamp
		  • subscriptionVersionStatus
		  • subscriptionTimerType (if supported)
		  • subscriptionBusinessType (if supported)
		• If the setting is FALSE the
			SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

		NPAC SMS issues an M-EVENT-REPORT objectCreation for each TN in the range.		
7.	SP	Old SP SOA issues M-EVENT-REPORT Confirmation(s) indicating it successfully received the M-EVENT-REPORT(s) from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) from the Old SP SOA.
8.	NPAC	NPAC Personnel perform a query for the range of subscription versions created in this test case.	NPAC	The subscription versions exist with a status of 'pending'.
9.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending'.
10.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.
11.	NPAC	NPAC SMS waits for concurrence from the Old SP for the range of TN's the New SP created.	SP	Old SP SOA **DOES NOT** respond to the create request and the Initial Concurrence Window expires.

12.	NPAC	Once the Initial Concurrence Window has expired, the NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeOldSP-ConcurrenceRequest notification that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionNewSP
		  • subscriptionNewSP-DueDate
		  • subscriptionNewSP-CreationTimeStamp
		  • subscriptionTimerType (if supported)
		  • subscriptionBusinessType (if supported)
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORTsubscriptionVersionOldSP-ConcurrenceRequest for each TN in the range.
			SP	Old SP SOA receives the M-EVENT-REPORT(s) from the NPAC SMS according to their Customer TN Range Notification Indicator.

13.	SP	Old SP SOA issues M-EVENT-REPORT Confirmation(s) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) from the Old SP SOA.
14.	NPAC	NPAC SMS waits for concurrence from the Old SP for the range of TN's the New SP created.	SP	Old SP SOA **DOES NOT** respond to the create request and the Service Provider Concurrence Failure Window tunable expires.

15.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeOldSP-FinalConcurrenceWindowExpiration that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionTimerType (if supported)
		  • subscriptionBusinessType (if supported)
		• If the setting is FALSE, NPAC SMS issues an M-EVENT-REPORT subscriptionVersionOldSP-FinalConcurrenceWindowExpiration for each TN in the range
			SP	**Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator**

16.	SP	Old SP SOA issues M-EVENT-REPORT Confirmation(s) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) from the Old SP SOA.
17.	NPAC	NPAC Personnel perform a query for the range of subscription versions created in this test case.	NPAC	The subscription versions exist with a status of 'pending'.
18.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending'.
19.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.3**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – New Service Provider Personnel create one Inter-Service Provider subscription version. Their Customer TN Range Notification Indicator is set to TRUE. Both Old and New Service Providers do their creates. NPAC SMS manages the notifications accordingly. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.4, B.5.1.6.4

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Customer TN Range Notification Indicator is set to TRUE for the New Service Provider. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC for one TN. 2. The SOA sends an M-ACTION subscriptionVersionNewSP-Create to the NPAC SMS for the range of TNs they wish to create.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request from the New SP SOA and verifies that each attribute specified is valid according to system requirements.
2.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for the TN to create the respective subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionVersionNPAC for the TN and issues an M-CREATE Response subscriptionVersionNPAC to itself for the TN to set the subscription version status to 'pending' and set the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time for the subscription version.
3.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionNewSP-Create Response to the New SP SOA indicating the subscription version was successfully created.	SP	New SP SOA receives the M-ACTION subscriptionVersionNewSP-Create Response from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
4.	NPAC	NPAC SMS issues an M-EVENT-	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC

		REPORT subscriptionVersionRangeObjectCreation to the New SP SOA that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionId • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-DueDate • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported)		SMS.
5.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.

6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID.
		  • subscriptionVersionId
		  • subscriptionTN
		  • subscriptionOldSP
		  • subscriptionNewCurrentSP
		  • subscriptionNewSP-DueDate
		  • subscriptionNewSP-CreationTimeStamp
		  • subscriptionVersionStatus
		  • subscriptionTimerType (if supported)
		  • subscriptionBusinessType (if supported)
		• If the setting is FALSE the NPAC SMS issues an M-
			SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
				• ~~If the setting is TRUE, the SOA receives a subscriptionVersionRangeObjectCreation for the TN.~~
				~~If the setting is FALSE, the SOA receives an objectCreation for the TN.~~

		EVENT-REPORT objectCreation notification.		
7.	SP	Old SP SOA issues M-EVENT-REPORT Confirmation(s) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
8.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending'.
9.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending'.
10.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.
11.	SP	1. Using the SOA, Old SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC for the same TN as created by the New SP in Row 1. 2. The SOA sends an M-ACTION subscriptionVersionOldSP-Create to the NPAC for the TN.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.
12.	NPAC	NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself for the TN to create the respective subscription version on the NPAC SMS.	NPAC	NPAC SMS receives each M-SET Request subscriptionversionNPAC for theTN and issues an M-SET Response subscriptionVersionNPAC to itself for the TN to set the subscription versions status to 'pending' and set the subscriptionVersionOld-SP-AuthorizationTimeStamp and subscriptionModifiedTimeStamp to the current date and time for the subscription version.
13.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionOldSP-Create Response to the Old SP SOA indicating the subscription version was successfully created.	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response from the NPAC SMS
14.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
15.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttri	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

		buteValueChange that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange notification for the TN.-		
16.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
17.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for the TN to the New SP SOA that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
18.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
19.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of ‘pending’.
20.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of ‘pending’.
21.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of ‘pending’ on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.4**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Old Service Provider Personnel create a range 5 of Inter-Service Provider subscription versions. Primary SPID A is the New Service Provider. Secondary SPID B is the Old Service Provider. Both Service Providers have their Customer TN Range Notification Indicators set to TRUE. New Service Provider does not respond. Initial and Final Concurrence Timers expire. NPAC SMS manages the notifications accordingly. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.1, B.5.1.6.4, B.5.1.6.5

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Customer TN Range Notification Indicators are set to TRUE for both Service Providers. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for both Service Providers.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using a SOA system, SPID B Service Provider Personnel, take action, as the Old SP, to create Inter-Service Provider subscription versions for a range of 5 TNs with SPID A as the New Service Provider and submits the request to the NPAC SMS via the 'Primary' SPID's (SPID A) association. 2. Old SP (SPID A) issues an M-ACTION Request subscriptionVersionOldSP-Create to the NPAC SMS care of SPID A's SOA association.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request from the Old SP SOA (SPID B) and verifies that each attribute specified is valid according to system requirements.
2.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for the TN to create the respective subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionVersionNPAC for the TN and issues an M-CREATE Response subscriptionVersionNPAC to itself for the TN to set the subscription versions status to 'pending' and set the subscriptionOldSP-AuthorizationTimeStamp and subscriptionModifiedTimeStamp to the current date and time for the subscription versions.
3.	NPAC	NPAC SMS issues an M-ACTION	SP	Old SP SOA (SPID B) receives the M-ACTION

		subscriptionVersionOldSP-Create Response to the Old SP SOA (SPID B) indicating the subscription versions were successfully created.		subscriptionVersionOldSP-Create Response from the NPAC SMS indicating the subscription versions were successfully created, the status is 'pending' and the subscriptionOldSP-AuthorizationTimeStamp and subscriptionModifiedTimeStamp were set appropriately.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification to the Old SP SOA (SPID B) that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionId • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionVersionStatus • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported)	SP	Old SP SOA (SPID B) receives the M-EVENT-REPORT from the NPAC SMS.
5.	SP	Old SP SOA (SPID B) issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA (SPID B).
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification to the New SP SOA (SPID A) that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionId • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization	SP	New SP SOA (SPID A) receives the M-EVENT-REPORT subscriptionVersionRangeObjectCreation for the TNs

		• subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCause Code (if subscriptionOldSP-Authorization set to false) • subscriptionVersionStatus • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported)		
7.	SP	New SP SOA (SPID A) issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA (SPID A).
8.	NPAC	NPAC Personnel perform a query for the subscription versions created in this test case.	NPAC	The subscription versions exist with a status of 'pending'.
9.	SP – Optional	Via their SOA, Old SP Personnel (SPID B) perform a local query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending'.
10.	SP – Conditional	Old SP Personnel (SPID B) perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.
11.	NPAC	NPAC SMS waits for concurrence from the New SP (SPID A) for the range of TN's the Old SP (SPID B) created.	SP	New SP SOA (SPID A) ~~DOES NOT~~does not respond to the create request and the Service Provider Concurrence Window tunable expires.
12.	NPAC	Once the Initial Concurrence Window has expired, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNew SP-CreateRequest notification to the New SP SOA (SPID A) that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionOldSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCause Code (if subscriptionOldSP-Authorization set to false) • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported)	SP	New SP SOA (SPID A) receives the M-EVENT-REPORTfrom the NPAC SMS.
13.	SP	New SP SOA (SPID A) issues M-	NPAC	• NPAC SMS receives the M-EVENT-REPORT

		EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.		Confirmationfrom the New SP SOA (SPID A).
14.	NPAC	NPAC SMS waits for concurrence from the New SP (SPID A) for the range of TN's the Old SP (SPID B) created.	SP	New SP SOA (SPID A) ~~**DOES NOT**~~**does not** respond to the create request and the Final Concurrence Window expires.

15.	NPAC	Once the Final Concurrence Window has expired, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration to the Old SP SOA (SPID B) according to their Final Create Window Expiration Notification.Indicator:
		• If the setting is TRUE, they will receive the M-EVENT-REPORT subscriptionVersionNewSP-FinalCreateWindowExpiration notification that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionOldSP
		  • subscriptionNewCurrentSP
		  • subscriptionOldSP-DueDate
		  • subscriptionOldSP-Authorization
		  • subscriptionOldSP-AuthorizationTimeStamp
		  • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false)
		  • subscriptionTimerType (if supported)
		  • subscriptionBusinessType (if supported)
		• If the setting is FALSE, no notification is sent.
			SP	Old SP SOA (SPID B) receives the M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration from the NPAC SMS according to their Final Create Window Expiration Notification Indicator.~~:~~
				• ~~If the setting is TRUE they will receive the notification~~
				~~If the setting is FALSE they do not receive a notification.~~

16.	SP	If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	If sent, the NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA (SPID B).
17.	NPAC	Once the final Concurrence Window has expired the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-	SP	New SP SOA receives the M-EVENT-REPORT(s) from the NPAC SMS according to the setting of their Final Create Window Expiration Notification Indicator. • ~~If the setting is TRUE they will receive the notification~~

		FinalCreateWindowExpiration notification to the New SP SOA (SPID A) according to their Final Create Window Expiration Notification.Indicator setting
		• If the setting is TRUE, they will receive the M-EVENT-REPORT subscriptionVersionNewSP-FinalCreateWindowExpiration notification that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionOldSP
		  • subscriptionNewCurrentSP
		  • subscriptionOldSP-DueDate
		  • subscriptionOldSP-Authorization
		  • subscriptionOldSP-AuthorizationTimeStamp
		  • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false)
		  • subscriptionTimerType (if supported)
		  • subscriptionBusinessType (if supported)
		• If the setting is FALSE, no notification is sent.
				~~indicating the New SP did not send a Create request for this range of TNs.~~
				~~If the setting is FALSE, they do not receive a notification.~~

18.	SP	If the notification was received, the New SP SOA (SPID A) issues M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	If sent, NPAC SMS receives the M-EVENT-REPORT Confirmation(s) from the New SP SOA.
19.	NPAC	NPAC Personnel perform a query for the range of subscription versions created in this test case.	NPAC	The subscription versions exist with a status of ‘pending’.
20.	SP – Optional	Old SP Personnel (SPID B) perform a local query for the subscription versions created during this test case.	SP	On the SOA, the subscription versions exist with a status of ‘pending’.
21.	SP – Conditional	Old SP Personnel (SPID B) perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of ‘pending’ on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.5**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – New Service Provider Personnel create a range of Inter-Service Provider subscription versions. Primary SPID A is the New Service Provider. Secondary SPID B is the Old Service Provider. SPID B Service Provider has their Customer TN Range Notification Indicator set to TRUE. SPID A Service Provider has their Customer TN Range Notification Indicator set to FALSE. Old Service Provider does not respond. Initial and Final Concurrence Timers expire. NPAC SMS manages the notifications accordingly. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.2, B.5.1.6.2, B.5.1.6.3

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Customer TN Range Notification Indicator is set to FALSE for SPID A Service Provider. 2. Verify that the Customer TN Range Notification Indicator is set to TRUE for SPID B Service Provider. 3. Verify that the SOA Notification Priority tunable parameters are set to the default values for both Service Providers.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using a SOA system, SPID A Service Provider Personnel, take action, as the New SP, to create Inter-Service Provider subscription versions for a range of 15 TNs with SPID B as the Old Service Provider and submits the request to the NPAC SMS via the 'Primary' SPID's (SPID A) association. 2. SPID A issues an M-ACTION Request subscriptionVersionNewSP-Create to the NPAC SMS care of SPID A's SOA association.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.
2.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for the TN to create the respective subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionVersionNPAC for the TN and issues an M-CREATE Response subscriptionVersionNPAC to itself for the TN to set the subscription versions status to 'pending' and set the subscriptionModifiedTimeStamp and the

				subscriptionCreateTimeStamp to the current date and time for the subscription versions.
3.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionNewSP-Create Response to the SPID A indicating the subscription versions were successfully created.	SP	New SP SOA (SPID A) receives the M-ACTION subscriptionVersionNewSP-Create Response from the NPAC SMS indicating the subscription versions were successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreateTimeStamp were set appropriately.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification to the Old SP SOA (SPID B) for range of 15 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionId • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-DueDate • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported)	SP	Old SP SOA (SPID B) receives the M-EVENT-REPORT from the NPAC SMS.
5.	SP	Old SP SOA (SPID B) issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA (SPID B).
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT ObjectCreation notification to the New SP SOA (SPID A) for each TN in the range.	SP	New SP SOA (SPID A) receives the M-EVENT-REPORTs from the NPAC SMS.
7.	SP	New SP SOA (SPID A) issues M-EVENT-REPORT Confirmations indicating it successfully received the M-EVENT-REPORTs from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations from the New SP SOA (SPID A).
8.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription versions exist with a status of 'pending'.
9.	SP – Optional	Via their SOA, New SP Personnel (SPID A) perform a local query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending'.
10.	SP – Conditional	New SP Personnel (SPID A) perform an NPAC SMS query for the subscription versions created	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.

		during this test case.		
11.	NPAC	NPAC SMS waits for concurrence from the Old SP (SPID B) for the range of TN's the New SP (SPID A) created.	SP	Old SP SOA (SPID B) ~~**DOES NOT**~~**does not** respond to the create request and the Service Provider Concurrence Window tunable expires.
12.	NPAC	Once the Initial Concurrence Window has expired, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeOld SP-CreateRequest notification to the Old SP SOA (SPID B) that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionNewSP • subscriptionNewSP-DueDate • subscriptionNewSP-CreationTimeStamp • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported)	SP	Old SP SOA (SPID B) receives the M-EVENT-REPORT from the NPAC SMS.
13.	SP	Old SP SOA (SPID B) issues M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
14.	NPAC	NPAC SMS waits for concurrence from the Old SP (SPID B) for the range of TN's the New SP (SPID A) created.	SP	Old SP SOA (SPID B) **DOES NOT** respond to the create request and the Final Concurrence Window expires.
15.	NPAC	Once the Final Concurrence Window has expired, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeOldSP-FinalConcurrenceWindowExpiration notification to the Old SP SOA (SPID B)that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported)	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
16.	SP	Old SP SOA (SPID B) issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA (SPID B).

		SMS.		
17.	NPAC	NPAC Personnel perform a query for the range of subscription versions created in this test case.	NPAC	The subscription versions exist with a status of 'pending'.
18.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending'.
19.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.6**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider Personnel activate a range of 1000 Inter-Service Provider subscription versions. Their Customer TN Range Notification Indicator is set to TRUE. In the pre-requisite create process the range is submitted as two smaller ranges, each with unique DPC/SSN data but the TNs used in the ranges are contiguous and the SVIDs assigned by the NPAC SMS are contiguous. The activate request is submitted as one range. The activate request results in two notifications due to the unique DPC/SSN data used for each range in the create process. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-116, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.5, B.5.1.6

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider 3. Verify that 1000 consecutive subscription versions exist with a status of 'pending' for the New SP under test. The first 500 TNs should have one set of DPC/SSN data and the second set of TNs should have another unique set of DPC/SSN data. The SVIDs should be consecutive for all 1000 TNs. 4. Verify that 'active' subscription versions do not currently exist for the range of 1000 TNs to be used in this Test Case. 5. Verify that the Old SP has concurred or the Concurrence Window for receiving the Old SP Create for the subscription versions to be activated during this test case has expired. 6. Verify that that Due Date has been reached for activating these subscription versions. 7. Verify that system setup and filters are set such that the subscription versions can be successfully activated.
Prerequisite SP Setup:	1. Create one range of 500 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPC/SSN data. 2. Immediately create another range of 500 Inter-Service Provider subscription versions using the next 500 consecutive non-ported TNs with another unique set of DPC/SSN data. For example, create 1000-1499 with one set of DPC/SSN data and then 1500-1999 with another set of DPC/SSN data. 3. Verify that the SVIDs are consecutive for the full 1000 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC SMS to activate a range of 1000 Inter-Service Provider subscription versions. Specify the range of 1000 consecutive TNs described in	NPAC	NPAC SMS receives the M-ACTION Request from the New SP SOA.

		the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionActivate Request to the NPAC SMS and specifies the range of TNs.		
2.	NPAC	NPAC SMS locates the respective subscription versions and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'sending' and set the subscriptionVersionActivationTime Stamp and subscriptionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionBroadcastTimeStamp to the current date and time for all TNs in the range.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
5.	NPAC	NPAC SMS issues two M-CREATE Requests subscriptionVersion to all LSMSs in the region accepting downloads for this NPA-NXX. One M-CREATE Request is sent for the first 500 TNs with one set of DPC/SSN data and another M-CREATE Request is sent for the next range of 500 TNs with a different set of DPC/SSN data.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-CREATE Requests and verify that the requests are valid. 2. All LSMSs in the region issue respective M-CREATE Responses to the NPAC SMS. One for the first 500 TNs and one set of DPC/SSN data and one for the second set of 500 TNs and another set of DPC/SSN data. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version create on the local system as specified in the requests from the NPAC SMS.

6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for the first set of 500 TNs and a second M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification to the Old SP SOA for the second set of 500 TNs that contain the following attributes:
		  • start TN
		  • end TN
		  • start SVID
			SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

		• end SVID. • subscriptionVersionStatus = 'active' • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification for each TN in the range of 1000 indicating the status is 'active'.		
7.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
8.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification to the New SP SOA for the first set of 500 TNs and a second M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for the second set of 500 TNs that contain the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'active'	SP	New SP SOA receives two M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notifications from the NPAC SMS. (One for the first 500 TNs with one set of DPC/SSN data and one for the next contiguous 500 TNs with a different unique set of DPC/SSN data).
9.	SP	New SP SOA issues one M-EVENT-REPORT Confirmation to the NPAC SMS for the first set of 500 TNs and another M-EVENT-REPORT Confirmation for the second set of 500 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s).
10.	NPAC	NPAC Personnel perform a query for the range of subscription versions activated in this test case.	NPAC	The subscription versions exist with a status of 'active' with an empty Failed SP List.
11.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions activated during this test case.	SP	1. On the SOA, the subscription versions exist with an empty Failed SP List. 2. On the LSMS, the subscription versions exist with a status of 'active'.
12.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions activated during this test case.	SP	The subscription versions exist with a status of 'active' with an empty Failed SP List on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.7**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider Personnel activate a range of 200 SVs. Their Customer TN Range Notification Indicator is set to TRUE. In the pre-requisite SVcreate process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data. The creates are submitted without any other activity in between to ensure that the SVIDs for the TNs in the ranges are contiguous. The activate request is submitted as one range. The activate request results in one notification because the TNs and SVIDs are both contiguous and all TNs in the range have the same feature data. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-116, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B5.1.6

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that 200 consecutive subscription versions exist with a status of 'pending' for the New SP under test. All 200 TNs should have one set of DPC/SSN data. The SVIDs should be consecutive for all 200 TNs. 4. Verify that 'active' subscription versions do not currently exist for the range of 200 TNs to be used in this Test Case. 5. Verify that the Old SP has concurred or the Concurrence Window has expired for receiving the Old SP Create for the subscription versions to be activated during this test case. 6. Verify that that Due Date has been reached for activating these subscription versions. 7. Verify that system setup and filters are set such that the subscription versions can be successfully activated.
Prerequisite SP Setup:	1. Create one range of 100 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPC/SSN data. 2. Immediately create another range of 100 Inter-Service Provider subscription versions using the next 100 consecutive non-ported TNs with the same set of DPC/SSN data as the first 100 TN range. For example, create 1000-1099 with and then immediately create 1100-1199 with the same set of DPC/SSN data. 3. Verify that the SVIDs are consecutive for the full 200 TNs.

D. TEST STEPS and EXPECTED RESULTS

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

		2. The SOA issues an M-ACTION subscriptionVersionActivate Request to the NPAC SMS and specifies the range of TNs.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'sending' and set the subscriptionVersionActivationTime Stamp and subscriptionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionBroadcastTimeStamp to the current date and time for all TNs in the range.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
5.	NPAC	NPAC SMS issues an M-CREATE Requests subscriptionVersion to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-CREATE Request and verify that the request is valid. 2. All LSMSs in the region issue an M-CREATE Response subscriptionVersion back to the NPAC. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version create on the local system as specified in the requests from the NPAC SMS.

6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for the range of 200 TNs with the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID.
		  • subscriptionVersionStatus = 'active'
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification for
			SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

		each TN in the range of 200 indicating the status is 'active'.		
7.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
8.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification to the New SP SOA for the range of 200 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'active'	SP	New SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification from the NPAC SMS.
9.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS for the set of 200 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation for the 200 TNs.
10.	NPAC	NPAC Personnel perform a query for the range of subscription versions activated in this test case.	NPAC	The subscription versions exist with a status of 'active' with an empty Failed SP List.
11.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions activated during this test case.	SP	1. On the SOA, the subscription versions exist with an empty Failed SP List. 2. On the LSMS, the subscription versions exist with a status of 'active'.
12.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions activated during this test case.	SP	The subscription versions exist with a status of 'active' with an empty Failed SP List on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.8**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider Personnel activate a single SV. Their Customer TN Range Notification Indicator is set to TRUE. Even though this is a single SV, the activate request results in a range notification. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-116, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B5.1.5

C. PREREQUISITE

Prerequisite Test Cases:	~~NANC 179-~~
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that a subscription version exists with a status of 'pending' for the New SP under test. 4. Verify that a 'active' subscription version does not currently exist for the TN to be used in this Test Case. 5. Verify that the Old SP has concurred or the Concurrence Window has expired for receiving the Old SP Create for the subscription versions to be activated during this test case. 6. Verify that that Due Date has been reached for activating this subscription version. 7. Verify that system setup and filters are set such that the subscription versions can be successfully activated.
Prerequisite SP Setup:	Create one Inter-Service Provider subscription version and verify it is ready for activation.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC to activate a single Inter-Service Provider subscription version. 2. The SOA issues an M-ACTION subscriptionVersionActivate Request to the NPAC SMS and specifies the TN.	NPAC	NPAC SMS receives the M-ACTION Request from the New SP SOA.
2.	NPAC	NPAC SMS locates the respective subscription version, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'sending' and set the subscriptionVersionActivationTime Stamp and subscriptionModifiedTimeStamp to	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.

		the current date and time for the TN.		
3.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionBroadcastTimeStamp to the current date and time for the TN.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
5.	NPAC	NPAC SMS issues an M-CREATE Requests subscriptionVersion to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-CREATE Request and verify that the request is valid. 2. All LSMSs in the region issue an M-CREATE Response subscriptionVersion back to the NPAC. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version create on the local system as specified in the request from the NPAC SMS.

6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for the TN that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID.
		  • subscriptionVersionStatus = 'active'
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification for the TN indicating the status is 'active'.
			SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

7.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
8.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification to the New SP SOA for the TN that contains the following attributes: • start TN • end TN • start SVID • end SVID.	SP	New SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification from the NPAC SMS.

		• subscriptionVersionStatus = 'active'		
9.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS for the TN.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation for the the TN.
10.	NPAC	NPAC Personnel perform a query for the subscription version activated in this test case.	NPAC	The subscription version exists with a status of 'active' with an empty Failed SP List..
11.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription version activated during this test case.	SP	1. On the SOA, the subscription version exists with an empty Failed SP List. 2. On the LSMS, the subscription version exists with a status of 'active'.
12.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version activated during this test case.	SP	The subscription version exists with a status of 'active' with an empty Failed SP List on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.9**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider Personnel activate a range of 500 SVs. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite SV create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The activate request is submitted as one range. The activate request results in one notification containing a list of the SVIDs. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-116, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B5.1.6

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that 500 consecutive subscription versions exist with a status of 'pending' for the New SP under test. All 500 TNs should have one set of DPC/SSN data. The SVIDs should NOT be consecutive for all 500 TNs. The first 250 TNs in the range should be consecutive and then there should be a break between the SVIDs in the next 250 TNs. 4. Verify that 'active' subscription versions do not currently exist for the range of 500 TNs to be used in this Test Case. 5. Verify that the Old SP has concurred or the Concurrence Window for receiving the Old SP Create for the subscription versions to be activated during this test case has expired. 6. Verify that that Due Date has been reached for activating these subscription versions. 7. Verify that system setup and filters are set such that the subscription versions can be successfully activated.
Prerequisite SP Setup:	1. Create one range of 250 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPC/SSN data. 2. Perform some other subscription version functions for other TNs that are not part of the range used in this test case to cause a break in SVIDs. 3. Create another range of 250 Inter-Service Provider subscription versions using the next 250 consecutive non-ported TNs using the same set of DPC/SSN data as the first 250 TNs. For example, create 1000-1249, then perform other subscription version activities to TNs outside of the consecutive 500 TNs to be used in this test case, then create 1250-1499 with the same set of DPC/SSN data as was used for TNs 1000-1249. 4. Verify that the SVIDs are NOT consecutive for the full 500 TNs.

D. TEST STEPS and EXPECTED RESULTS

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

		subscription versions. Specify the range of 500 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionActivate Request to the NPAC SMS and specifies the range of TNs.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'sending' and set the subscriptionVersionActivationTime Stamp and subscriptionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionBroadcastTimeStamp to the current date and time for all TNs in the range.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
5.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersion to all LSMSs in the region accepting downloads for this NPA-NXX. .	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-CREATE Request and verify that the request is valid. 2. All LSMSs in the region issue an M-CREATE Response back to the NPAC 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version create on the local system as specified in the requests from the NPAC SMS.

6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for the 500 TNs that contains the following attributes:
		  • paired list of TNs and SVIDs
		  • subscriptionVersionStatus = 'active'
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttrib
			SP	The Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

		uteValueChange notification for each TN in the range of 500 indicating the status is 'active'.		
7.	SP	Old SP SOA issues M-EVENT-REPORT Confirmations to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations from the Old SP SOA
8.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification to the New SP SOA for the 500 TNs that contains the following attributes: • paired list of TNs and SVIDs • subscriptionVersionStatus = 'active'	SP	New SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification from the NPAC SMS.
9.	SP	New SP SOA issues one M-EVENT-REPORT Confirmation to the NPAC SMS for the set of 500 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.
10.	NPAC	NPAC Personnel perform a query for the range of subscription versions activated in this test case.	NPAC	The subscription versions exist with a status of 'active' with an empty Failed SP List.
11.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions activated during this test case.	SP	1. On the SOA, the subscription version exists with an empty Failed SP List. 2. On the LSMS, the subscription version exists with a status of 'active'.
12.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions activated during this test case.	SP	The subscription versions exist with a status of 'active' with an empty Failed SP List on the NPAC SMS.

NOTE: Lead NPAC Test Engineer is investigating the use of an LSMS simulator for this test case.

A. TEST IDENTITY

Test Case Number:	**2.10**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider Personnel activate a range of 100 SVs. Their Customer TN Range Notification Indicator set to TRUE. In the prerequisite SV create process the range is submitted as one range, all with the same feature data. One of the LSMSs has a problem creating all the TNs and responds with a M-EVENT-REPORT containing a few of the TNs from the range that it failed to create. NPAC responds to the SP with multiple notifications. - Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-116, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.6

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that 100 consecutive subscription versions exist with a status of 'pending' for the New SP. All 100 TNs should have one set of DPC/SSN data and the SVIDs should be consecutive. 4. Verify that 'active' subscription versions do not currently exist on the NPAC for the range of 100 TNs to be used in this Test Case. 5. Verify that the Old SP has concurred or the Concurrence Window for receiving the Old SP Create for the subscription versions to be activated during this test case has expired. 6. Verify that that Due Date has been reached for activating these subscription versions. 7. Ensure proper LSMS setup for Test Step 5 below to get the desired test case results.
Prerequisite SP Setup:	1. Create one range of 100 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPC/SSN data. For example, create 1000-1099. 2. Verify that the SVIDs are consecutive for the full 200 TNs. 3. Verify that the subscription versions are ready to be activated.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC to activate a range of 100 Inter-Service Provider subscription versions. Specify the range of 100 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionActivate	NPAC	NPAC SMS receives the M-ACTION Request from the New SP SOA.

		Request to the NPAC SMS and specifies the range of TNs.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'sending' and the subscriptionVersionActivationTime Stamp and subscriptionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionBroadcastTimeStamp to the current date and time for all TNs in the range.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
5.	NPAC	NPAC SMS issues an M-CREATE Requests subscriptionVersion to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-CREATE Request and verify that the request are valid. 2. All LSMSs in the region EXCEPT ONE, issue an M-ACTION Response subscriptionVersion back to the NPAC. 3. One LSMS in the region issues the following responses: • M-CREATE Response indicating success for the first 25 TNs (for example 1000-1024). • M-CREATE Response indicating failure for the next TN (for example 1025). • M-CREATE Response indicating success for the next 45 TNs (for example 1026-1070). • M-CREATE Response indicating failure for the next TN (for example 1071). • M-CREATE Response indicating success for the next 28 TNs (for example 1072-1099). 4. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version create on the local system as specified in the requests from the NPAC SMS.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues the following messages: 1. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for the first range of 24 TNs (1000-1024)that contains the following attributes:	SP	The Old SP SOA receives the M-EVENT-REPORT(s) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		• start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'active' 2. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for the next TN (1025) that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'partial-failed' • subscriptionVersionFailedSP-List 3. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for the next range of 45 TNs (1026-1070) that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'active' 4. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for the next TN (1071) that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'partial-failed' • subscriptionVersionFailedSP-List 5. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for the next range of 28 TNs (1072-1099) that contains the following attributes: • start TN		

		• end TN • start SVID • end SVID • subscriptionVersionStatus = 'active' • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification for each TN in the range of 100. For 98 TNs (1000-1024, 1026-1070 and 1072-1099) that status will be 'active' for 2 TNs (1025 and 1071) the status will be 'partial fail' and the LSMS that failed the TNs will be specified in the FailedSP-List.		
7.	SP	Old SP SOA issues M-EVENT-REPORT Confirmations to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations from the Old SP SOA.
8.	NPAC	NPAC SMS issues the following notifications to the New SP SOA: 1. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for the range of 28 TNs (1000-1024) that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'active' 2. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for 1 TN (1025) that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'partial-failed' • subscriptionVersionFailedSP-List 3. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for the range of 45 TNs (1026-1070) that contains the following attributes: • start TN	SP	New SP SOA receives the M-EVENT-REPORTs the NPAC SMS.

		• end TN • start SVID • end SVID. • subscriptionVersionStatus = 'active' 4. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for 1 TN (1071) that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'partial-failed' • subscriptionVersionFailedSP-List 5. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for the range of 28 TNs (1072-1099) that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'active'.		
9.	SP	New SP SOA issues M-EVENT-REPORT Confirmations to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations.
10.	NPAC	NPAC Personnel perform a query for the range of subscription versions.	NPAC	1. Subscription versions exist with a status of 'active' for 98 TNs (1000-1024, 1026-1070 and 1072-1099). 2. Subscription versions exist with a status of 'partial fail' and a Failed SP List for 2 TNs (1025 and 1071).
11.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions activated during this test case.	SP	1. On the SOA, subscription version exists with an empty Failed SP List for 98 TNs (1000-1024, 1026-1070 and 1072-1099). 2. On the SOA, subscription versions exist with a Failed SP List for 2 TNs (1025 and 1071). 3. On the LSMS, subscription versions exist with a status of 'active' for 98 TNs (1000-1024, 1026-1070 and 1072-1099).
12.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions activated during this test case.	SP	1. On the NPAC SMS subscription versions exist with a status of 'active' for 98 TNs (1000-1024, 1026-1070 and 1072-1099). 2. On the NPAC SMS subscription versions exist with a status of 'partial fail' and a Failed SP List for 2 TNs (1025 and 1071).

A. TEST IDENTITY

Test Case Number:	**2.11**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider Personnel modify a range of 200 active SVs. Their Customer TN Range Notification Indicator set to TRUE. All TNs in the range have the same feature data and contiguous SVIDs. The modify active request is submitted as one range and results in one notification. - Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-115, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.2.1

C. PREREQUISITE

Prerequisite Test Cases:	NANC 179-4
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that 200 consecutive subscription versions exist with a status of 'active' for the New SP. All 200 TNs should have one set of DPC/SSN data and the SVIDs are consecutive. 4. Verify that the LRN to be used in the modify active request exists for the New SP.
Prerequisite SP Setup:	Verify that 200 consecutive subscription versions exist with a status of 'active'. All 200 TNs should have one set of DPC/SSN data and the SVIDs are consecutive.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC to modify the LRN for a range of 200 active Inter-Service Provider subscription versions. Specify the range of 200 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionModify Request to the NPAC SMS and specifies the range of TNs.	NPAC	NPAC SMS receives the M-ACTION Request from the New SP SOA.
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'sending' and the subscriptionBroadcastTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.

3.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET subscriptionVersion to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-SET Request and verify that the request is valid. 2. All LSMSs in the region issue an M-SET Response subscriptionVersion back to the NPAC. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version modify on the local system as specified in the request from the NPAC SMS.
5.	NPAC	NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'active' for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification to the New SP SOA for the range of 200 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'active'	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.
8.	NPAC	NPAC Personnel perform a query for the range of subscription versions modified in this test case.	NPAC	The subscription versions exist with a status of 'active' with an empty Failed SP List.
9.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions modified during this test case.	SP	1. On the SOA, the subscription versions exist with an empty Failed SP List. 2. On the LSMS, the subscription versions exist with a status of 'active'.
10.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions modified during this test case.	SP	The subscription versions exist with a status of 'active' with an empty Failed SP List on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.12**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider Personnel modify one active SV. Their Customer TN Range Notification Indicator set to TRUE. - Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-115, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.2.1

C. PREREQUISITE

Prerequisite Test Cases:	~~NANC 179.~~
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that a subscription version exists with a status of 'active' for the New SP. 4. Verify that the LRN to be used in the modify active request exists for the New SP.
Prerequisite SP Setup:	Verify that a subscription version exists with a status of 'active'.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC to modify the LRN for the active Inter-Service Provider subscription version. described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionModify Request to the NPAC SMS and specifies the TN.	NPAC	NPAC SMS receives the M-ACTION Request from the New SP SOA.
2.	NPAC	NPAC SMS locates the respective subscription version and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'sending' and the subscriptionBroadcastTimeStamp to the current date and time for the TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET subscriptionVersion to all LSMSs in the region accepting downloads for	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-SET Request and verify that the request is valid.

		this NPA-NXX.		2. All LSMSs in the region issue an M-SET Response subscriptionVersion back to the NPAC. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version modify on the local system as specified in the request from the NPAC SMS..
5.	NPAC	NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'active' for the TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notificationto the New SP SOA for the TN that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'active'	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.
8.	NPAC	NPAC Personnel perform a query for the subscription version modified in this test case.	NPAC	The subscription version exists with a status of 'active' with an empty Failed SP List.
9.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription version modified during this test case.	SP	1. On the SOA, the subscription version exists with an empty Failed SP List. 2. On the LSMS, the subscription version exists with a status of 'active'.
10.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version modified during this test case.	SP	The subscription version exists with a status of 'active' with an empty Failed SP List on the NPAC SMS

A. TEST IDENTITY

Test Case Number:	**2-.13**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider Personnel modify a range of 10 active SVs. Their Customer TN Range Notification Indicator set to TRUE. The 'modify active' fails on one LSMS resulting in a subscription version status of 'active' with a Failed SP-List. - Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-115, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.2.2

C. PREREQUISITE

Prerequisite Test Cases:	~~NANC 179-~~
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that a range of 10 'active' Inter-Service Provider subscription versions with consecutive SVIDs and the same feature data exist with a status of 'active' for the New SP. 4. Verify that the LRN to be used in the modify active request exists for the New SP. 5. Verify that filters for the NPA-NXX are set and LSMSs configured such that the modify active request will fail on at least one LSMS.
Prerequisite SP Setup:	Verify that a range of 10 'active' Inter-Service Provider subscription versions with consecutive SVIDs and the same feature data exist with a status of 'active'.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC to modify the LRN for the range of 10 'active' Inter-Service Provider subscription versions described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionModify Request to the NPAC SMS and specifies the TNs.	NPAC	NPAC SMS receives the M-ACTION Request from the New SP SOA.
2.	NPAC	NPAC SMS locates the respective subscription versions and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription versions status to 'sending' and the subscriptionBroadcastTimeStamp to the current date and time for the TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.

3.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET subscriptionVersion to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-SET Request and verify that the request is valid. 2. NPAC SMS retries any LSMS that has not responded. 3. At least one LSMSs in the region does not respond back to the NPAC or responds with an error.
5.	NPAC	NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'active' for the TNs in the request and updates the subscriptionVersionFailedSP-List with the SPID(s) and name(s) of the LSMS(s) that did not respond.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification to the New SP SOA that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'active' • subscriptionVersionFailedSP-List	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.
8.	NPAC	NPAC Personnel perform a query for the subscription version modified in this test case.	NPAC	The subscription version exists with a status of 'active' and a Failed SP List.
9.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription version modified during this test case.	SP	1. On the SOA, the subscription version exists with a status of 'active' and a Failed SP List. 2. On the LSMS, the subscription version exists with a status of 'active'.
10.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version modified during this test case.	SP	The subscription version exists with a status of 'active' and a Failed SP List.

A. TEST IDENTITY

Test Case Number:	**2.14**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – New Service Provider Personnel modify the due date for a range of 10 conflict SVs. Their Customer TN Range Notification Indicator set to TRUE. All TNs in the range have the same feature data and contiguous SVIDs. The modify request is submitted as one range. The modify request results in one notification. - Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-115, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.2.3

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that 10 consecutive subscription versions exist with a status of 'conflict'and the SP under test is the New SP. All 10 TNs should have one set of DPC/SSN data and the SVIDs are consecutive.
Prerequisite SP Setup:	Verify that 10 consecutive subscription versions exist with a status of 'conflict'. All 10 TNs should have one set of DPC/SSN data and consecutive SVIDs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC to modify the due date for a range of 10 conflict Inter-Service Provider subscription versions. Specify the range of 10 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionModify Request to the NPAC SMS and specifies the range of TNs.	NPAC	NPAC SMS receives the M-ACTION Request from the New SP SOA.
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to modify the subscriptionNew SP-DueDate and set the subscriptionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.

3.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response from the NPAC SMS.

4.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notification for the 10 TNs that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptioNewSP-DueDate
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT attributeValueChange notification for each of the 10 TNs in the range containing the subscriptionNewSP-DueDate.
			SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

5.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange to the New SP SOA for the range of 10 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptioNewSP-DueDate	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.
8.	NPAC	NPAC Personnel perform a query for the range of subscription versions modified in this test case.	NPAC	The subscription versions exist with a status of ‘conflict’ and the new due date for the New SP.
9.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription versions modified during this test case.	SP	The subscription versions exist with a status of ‘conflict’ and the new due date for the New SP.
10.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions modified during this test case.	SP	The subscription versions exist with a status of ‘conflict’ and the new due date for the New SP on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.15**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Old Service Provider Personnel modify one pending SV. Their Customer TN Range Notification Indicator set to TRUE. - Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-116, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.2.3

C. PREREQUISITE

Prerequisite Test Cases:	~~NANC 179~~
Prerequisite NPAC Setup:	1. Verify that the Old SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that a subscription version exists with a status of 'pending' for the Old SP.
Prerequisite SP Setup:	Verify that a subscription version exists with a status of 'pending'.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit a request to the NPAC to modify the due date for a pending Inter-Service Provider subscription versions. Specify the TN described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionModify Request to the NPAC SMS and specifies the TN.	NPAC	NPAC SMS receives the M-ACTION Request from the Old SP SOA.
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to modify the subscriptionOld SP-DueDate and set the subscriptionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT, subscriptionVersionRangeAttribute ValueChange to the Old SP SOA for	SP	Old SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notification from the NPAC SMS.

		the TN containing the subscriptionOldSP-DueDate and the SVID.		
5.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.

6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notification for the TN that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionOldSP-DueDate
		• If the setting is FALSE, the NPAC SMS issues one M-EVENT REPORT attributeValueChange notification for the TN containing the subscriptionOldSP-DueDate and the SVID.
			SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.
8.	NPAC	NPAC Personnel perform a query for the range of subscription version modified in this test case.	NPAC	The subscription version exists with a status of 'pending' and the new due date for the New SP.
9.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version modified during this test case.	SP	The subscription version exists with a status of 'pending' and the new due date for the New SP.
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version modified during this test case.	SP	The subscription version exists with a status of 'pending' and the new due date for the New SP on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.16**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider Personnel perform an immediate disconnect of a range of 500 active SVs. Their Customer TN Range Notification Indicator is set to TRUE. In the pre-requisite SV create process the range was submitted as two smaller range creates, each with the same feature data and, the SVIDs are contiguous within each range create. The immediate disconnect request is submitted as one range. The immediate disconnect request results in one notification containing a list of the SVIDs. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-116, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.4.1, B.5.4.1.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that 500 subscription versions exist with a status of 'active' for the New SP under test. All 500 TNs should have one set of DPC/SSN data. The SVIDs should NOT be consecutive for all 500 TNs. The first 250 TNs in the range should have consecutive SVIDs, then there should be a break in the SVIDs and the second 250 TNs should be consecutive.
Prerequisite SP Setup:	1. Create one range of 250 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPS/SSN data. 2. Perform some other subscription version functions for other TNs that are not part of the TN range being used in this test case to cause a break in SVIDS. 3. Create another range of 250 Inter-Service Provider subscription versions using the next 250 consecutive non-ported TNs, with the same DPC/SSN data as in the previous range. 4. Activate all 500 of these TNs 5. Verify that the SVIDs are NOT consecutive for the full 500 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC SMS to disconnect a range of 500 active subscription versions. Specify the range of 500 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION Request subscriptionVersionDisconnect to the NPAC SMS and specifies the range of TNs and the current date.	NPAC	NPAC SMS receives the M-ACTION Request from the New SP SOA.

2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'disconnect-pending' for each TN in the range.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionCustomerDisconnectDate and subscriptionBroadcastTimeStamp to the current date and time for all TNs in the range.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.

5.	NPAC	NPAC SMS issues an M-EVENT REPORT to the Donor SP based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeDonorSP-CustomerDisconnectDatenotification for the 500 TNs that contains the following attributes:
		  • paired list of TNs and SVIDs
		  • subscriptionVersionCustomerDisconnectDate
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionDonorSP-CustomerDisconnectDate notification for each TN in the range of 500 indicating the disconnect date.
			SP	Donor SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

6.	NPAC	NPAC SMS issues two M-DELETE Requests subscriptionVersion to all LSMSs in the region accepting downloads for this NPA-NXX. One M-DELETE Request is sent for the first 250 TNs, and another M-DELETE Request is sent for the next contiguous range of 250 since there is a break in the SVID sequence between the first and second sets of TNs.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-DELETE Requests and verify that the requests are valid. 2. All LSMSs in the region issue M-DELETE Responses back to the NPAC. One for the first 250 TNs and another for the second set of 250 TNs due to the break in the SVID sequence between the two ranges of TNs. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version delete on the local system as specified in the requests from the NPAC SMS.
7.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'old'	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.

		and set the subscriptionModifiedTimeStamp and subscriptionDisconnectCompleteTimeStamp to the current date and time for all TNs in the range.		
8.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange to the New SP SOA for the 500 TNs that contains the following attributes: • paired list of TNs and SVIDs • subscriptionVersionStatus = 'old'	SP	New SP SOA receives the M-EVENT-REPORT NPAC SMS.
9.	SP	New SP SOA issues one M-EVENT-REPORT Confirmation to the NPAC SMS for the set of 500 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.
10.	NPAC	NPAC Personnel perform a query for the range of subscription versions disconnected in this test case.	NPAC	The subscription versions exist with a status of 'old'.
11.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions disconnected during this test case.	SP	1. On the SOA, the subscription versions are not found or they exist with a status of 'old'. 2. On the LSMS, the subscription versions no longer exist.
12.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions disconnected during this test case.	SP	The subscription versions exist with a status of 'old' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.-17**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Donor Service Provider receives subscriptionVersionRangeDonorSP-CustomerDisconnectDate notification upon immediate disconnect of a range of 5 active SVs when their Customer TN Range Notification Indicator is set to TRUE. The 'active' SVs exist with contiguous SVIDs and the same feature data. The immediate disconnect results in one notification to the Donor Service Provider. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-116, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.4.1, B.5.4.1.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Donor SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the Donor Service Provider. 3. Verify that 5 'active'subscription versions exist for which the Service Provider under test is the Donor Service Provider. The SVIDs are consecutive for the 5 TNs and they have the same feature data.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SPNPAC	Using the NPAC OpGUI, NPAC Personnel, on behalf of the New SP, submit a request to disconnect a range of 5 active subscription versions. Specify the range of 5 consecutive TNs described in the prerequisites above and the current date as the disconnect date.	NPAC	NPAC SMS receives the request on behalf of the New SP SOA.
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'disconnect-pending' for each TN in the range.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionCustomerDisconnectDate and	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.

		subscriptionBroadcastTimeStamp to the current date and time for all TNs in the range.		
4.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscription VersionRangeDonorSP-CustomerDisconnectDate notification to the Donor SP SOA for the range of 5 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionVersionCustomerDisconnectDate • subscriptionEffectiveReleaseDate	SP	Donor SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
5.	NPAC	NPAC SMS issues an M-DELETE Requests subscriptionVersion to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-DELETE Requests and verify that the requests are valid. 2. All LSMSs in the region issue M-DELETE Responses back to the NPAC. One for the first 250 TNs and another for the second set of 250 TNs due to the break in the SVID sequence between the two ranges of TNs. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version delete on the local system as specified in the requests from the NPAC SMS.
6.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'old' and set the subscriptionModifiedTimeStamp and subscriptionDisconnectCompleteTimeStamp to the current date and time for all TNs in the range.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.

7.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscription VersionRangeStatusAttributeValueChange notification for the range of 5 TNs that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionVersionStatus ='old'
		• If the setting is FALSE, the
			SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.

		NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification indicating the subscription version status is 'old' for each TN in the range (5).		
8.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.
9.	NPAC	NPAC Personnel perform a query for the range of subscription versions disconnected in this test case.	NPAC	The subscription versions exist with a status of 'old'.
10.	SP – Optional	Donor SP Personnel perform a local query for the notifications associated with the subscription versions disconnected during this test case.	SP	Donor SP SOA successfully received the notifications.

A. TEST IDENTITY

Test Case Number:	**2.18**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Current Service Provider Personnel perform an immediate disconnect for a range of 10 'active' subscription versions. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data. The range create requests are submitted without any other activity between to ensure that the SVIDs for the TNs in the ranges are contiguous. The disconnect request is submitted as one range. The disconnect request results in one notification because the TNs and SVIDs are both contiguous and all TNs in the range have the same feature data. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR5-115, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.4.1, B.5.4.1.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that 10 consecutive subscription versions exist with a status of 'active' where the current SP is the SP under test. All 10 TNs should have one set of DPC/SSN data. The SVIDs should be consecutive for all 10 TNs.
Prerequisite SP Setup:	1. Create one range of 5 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPC/SSN data. 2. Immediately create another range of 5 Inter-Service Provider subscription versions using the next 5 consecutive non-ported TNs with the same set of DPC/SSN data as the first 5 TN range. For example, create 1000-1004 with and then immediately create 1005-1009 with the same set of DPC/SSN data. 3. Verify that the SVIDs are consecutive for the full 10 TNs . 4. Activate the range of 10 subscription versions. 5. Verify that the SVs for the range of 10 TNs have a status of 'active'.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Current SP Personnel submit a request to the NPAC to immediately disconnect a range of 10 Inter-Service Provider subscription versions. Specify the range of 10 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionDisconnect Request to the NPAC SMS and specifies the range of TNs.	NPAC	NPAC SMS receives the M-ACTION Request from the Current SP SOA.

2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'disconnect-pending' and the subscriptionCustomerDisconnectDate according to the disconnect request for each TN in the range.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the Current SP SOA.	SP	Current SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionModifiedTimeStamp and subscriptionBroadcastTimeStamp to the current date and time for all TNs in the range.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.

5.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Donor SP based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeDonorSP-CustomerDisconnectDate notification to the Donor SP SOA for the range of 10 TNs that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionVersionCustomerDisconnectDate
		  • subscriptionEffectiveReleaseDate
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionDonorSP-CustomerDisconnectDate notification for each TN in the range of 10 indicating the TNs are being disconnected and providing the customer disconnect date.
			SP	Donor SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

6.	NPAC	NPAC SMS issues an M-Delete scoped/filtered Requests subscriptionVersion for the range of TNs being disconnected to all LSMSs in the region accepting	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receives the M-ACTION Request and verify that the request is valid. 2. All LSMSs in the region issue an M-DELETE Response subscriptionVersion back to the NPAC.

		downloads for this NPA-NXX.		3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version deletes on the local system as specified in the requests from the NPAC SMS.
7.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'old' and set the subscriptionModifiedTimeStamp and subscriptionDisconnectCompleteTimeStamp to the current date and time for all TNs in the range.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
8.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification to the Current SP SOA for the range of 10 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionVersionStatus = 'old'	SP	Current SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
9.	SP	Current SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS for the range of 10 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation for the 10 TNs.
10.	NPAC	NPAC Personnel perform a query for the range of subscription versions activated in this test case.	NPAC	The subscription versions exist with a status of 'old'.
11.	SP – Optional	Via their SOA &/or LSMS, Current SP Personnel perform a local query for the subscription versions disconnected during this test case.	SP	1. On the SOA, the subscription versions either do not exist or they exist with a status of 'old' and an empty Failed SP List. 2. On the LSMS, the subscription versions do not exist.
12.	SP – Conditional	Current SP Personnel perform an NPAC SMS query for the subscription versions disconnected during this test case.	SP	The subscription versions exist with a status of 'old' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.19**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider Personnel perform an immediate disconnect of a single active SV. Their Customer TN Range Notification Indicator is set to TRUE~~.~~ – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-115, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.4.1, B.5.4.1.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that a subscription version exists with a status of 'active' for the New SP under test.
Prerequisite SP Setup:	Verify that a subscription version exists with a status of 'active'

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC SMS to disconnect a single active subscription version. Specify the TN described in the prerequisites above. 2. The SOA issues an M-ACTION Request subscriptionVersionDisconnect to the NPAC SMS and specifies the TN and the current date.	NPAC	NPAC SMS receives the M-ACTION Request from the New SP SOA.
2.	NPAC	NPAC SMS locates the respective subscription version, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'disconnect-pending' for the TN.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionCustomerDisconnectDate and	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.

		subscriptionBroadcastTimeStamp to the current date and time for the TN.		

5.	NPAC	NPAC SMS issues an M-EVENT REPORT to the Donor SP based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeDonorSP-CustomerDisconnectDatenotification to the Donor SP SOA for the single TN that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionVersionCustomerDisconnectDate
		  • subscriptionEffectiveReleaseDate
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionDonorSP-CustomerDisconnectDate notification for the TN indicating the disconnect date.
			SP	Donor SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

6.	NPAC	NPAC SMS issues an M-DELETE Requests subscriptionVersion to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receives the M-DELETE Request and verify that the request isvalid. 2. All LSMSs in the region issue M-DELETE Responses back to the NPAC. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version delete on the local system as specified in the requests from the NPAC SMS.
7.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to ‘old’ and set the subscriptionModifiedTimeStamp and subscriptionDisconnectCompleteTimeStamp to the current date and time for the single TNs.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
8.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification to the New SP SOA for the single TN that contains the following attributes: • start TN • end TN • start SVID	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.

		• end SVID. • SubscriptionVersionStatus = 'old'		
9.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS for the single TN.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.
10.	NPAC	NPAC Personnel perform a query for the subscription version disconnected in this test case.	NPAC	The subscription version exists with a status of 'old'.
11.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription version disconnected during this test case.	SP	1. On the SOA, the subscription version is not found or it exists with a status of 'old'. 2. On the LSMS, the subscription version no longer exists.
12.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version disconnected during this test case.	SP	The subscription version exists with a status of 'old' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.20**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – New Service Provider Personnel perform an immediate disconnect of a range of Inter-Service Provider subscription versions. Primary SPID A is the New Service Provider. Secondary SPID B is the Old Service Provider and Codeholder of the NPA-NXX of the TNs used in the subscription versions. Both Service Providers have their Customer TN Range Notification Indicators set to TRUE. NPAC SMS manages the notifications accordingly. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-116, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.4.1, B.5.4.1.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that SPID A is a primary SPID. 2. Verify that SPID B is a secondary SPID to SPID A. 3. Verify that the Customer TN Range Notification Indicator is set to TRUE for both SPID A and SPID B. 4. Verify that the SOA Notification Priority tunable parameters are set to the default values for both Service Providers. 5. Verify that SPID B is the codeholder of the NPA-NXX of the TNs used in this test case. 6. Verify that a range of 5 active Inter-Service Provider subscription versions exist, the New SP is SPID A, the Old SP and codeholder is SPID B and the original creates were submitted as individual create requests with the same DPC/SSN data but with activity between such that the SVIDs are not consecutive.
Prerequisite SP Setup:	1. Create 5 individual Inter-Service Provider subscription versions for the New SP (SPID A) using consecutive non-ported TNs, with one set of DPS/SSN data and SPID B as the Old SP. Between each create request, perform some other subscription version functions for SPID A for other TNs that are not part of the TN range being used in this test case to cause a break in SVIDS. 2. Activate all 5 TNs. 3. Verify that the SVIDs are NOT consecutive for the 5 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using a SOA system, SPID A Service Provider Personnel, take action, as the New SP, to perform an immediate disconnect on the range of 5 SVs referenced in the prerequisites above and submits the request to the NPAC SMS via the 'Primary' SPID (SPID A) association. 2. SPID A issues an M-ACTION Request	NPAC	NPAC SMS receives the M-ACTION Request from the New SP SOA.

		subscriptionVersionDisconnect to the NPAC SMS care of SPID A's SOA association and specifies the TNs and the current date.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription versions Status to 'disconnect-pending' for the TNs.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA (SPID A).	SP	New SP SOA (SPID A) receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionCustomerDisconnectDate and subscriptionBroadcastTimeStamp to the current date and time for the TNs.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
5.	NPAC	NPAC SMS issues an M-EVENT REPORT subscription VersionRangeDonorSP-CustomerDisconnectDate notification to the Donor SP (SPID B) for the range of 5 TNs that contains the following attributes: • paired list of TNs and SVIDs • subscriptionVersionCustomerDisconnectDate • subscriptionEffectiveReleaseDate	SP	The Donor SP SOA (SPID B) receives the M-EVENT-REPORT from the NPAC SMS.
6.	NPAC	NPAC SMS issues an M-DELETE Requests subscriptionVersion to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receives the M-DELETE Request and verify that the request isvalid. 2. All LSMSs in the region issue M-DELETE Responses back to the NPAC. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version delete on the local system as specified in the requests from the NPAC SMS.
7.	SP	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'old' and set the subscriptionModifiedTimeStamp and subscriptionDisconnectCompleteTimeStamp to the current date and time for the range of TNs.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
8.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttr	SP	New SP SOA (SPID A) receives the M-EVENT-REPORT from the NPAC SMS.

		ibuteValueChange notification to the New SP SOA (SPID A) for the range of 5 TNs that contains the following attributes: • paired list of TNs and SVIDs • subscriptionVersionStatus = 'old'		
9.	SP	New SP SOA (SPID A) issues an M-EVENT-REPORT Confirmation to the NPAC SMS for the range of TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.
10.	NPAC	NPAC Personnel perform a query for the subscription versions disconnected in this test case.	NPAC	The subscription versions exist with a status of 'old'.
11.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel (SPID A) perform a local query for the subscription versions disconnected during this test case.	SP	1. On the SOA, the subscription versions are not found or they exist with a status of 'old'. 2. On the LSMS, the subscription versions no longer exist.
12.	SP – Conditional	New SP Personnel (SPID A) perform an NPAC SMS query for the subscription versions disconnected during this test case.	SP	The subscription versions exist with a status of 'old' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.21**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – New Service Provider Personnel perform an immediate disconnect of a range of 2 Inter-Service Provider subscription versions. Secondary SPID B is the New Service Provider. Primary SPID A is the Old Service Provider and Codeholder of the NPA-NXX of the TNs used in the subscription versions. SPID B Service Provider has their Customer TN Range Notification Indicator set to TRUE. SPID A Service Provider has their Customer TN Range Notification Indicator set to FALSE. NPAC SMS manages the notifications accordingly. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-116, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.4.1, B.5.4.1.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that SPID A is a primary SPID. 2. Verify that SPID B is a secondary SPID to SPID A. 3. Verify that the Customer TN Range Notification Indicator is set to TRUE for SPID B 4. Verify that the Customer TN Range Notification Indicator is set to FALSE for SPID A. 5. Verify that the SOA Notification Priority tunable parameters are set to the default values for both Service Providers. 6. Verify that SPID A is the codeholder of the NPA-NXX of the TNs used in this test case. 7. Verify that a range of 2 active Inter-Service Provider subscription versions exist, the New SP is SPID B, the Old SP and codeholder is SPID A and the original create request was submitted as a range with the same DPC/SSN and they have consecutive SVIDs.
Prerequisite SP Setup:	1. Create a range of 2 Inter-Service Provider subscription versions for the New SP (SPID B) using consecutive non-ported TNs, with one set of DPS/SSN data and SPID A as the Old SP. 2. Activate the 2 TNs 3. Verify that the SVIDs are consecutive for the 2 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using a SOA system, SPID B Service Provider Personnel, take action, as the New SP, to perform an immediate disconnect on the range of 2 SVs referenced in the prerequisites above and submits the request to the NPAC SMS via the 'Primary' SPID (SPID A) association. 2. SPID B issues an M-ACTION Request subscriptionVersionDisconnect to the NPAC SMS care of SPID	NPAC	NPAC SMS receives the M-ACTION Request from the New SP SOA (SPID B).

		A's SOA association and specifies the TNs and the current date.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription versions Status to 'disconnect-pending' for the TNs.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA (SPID B).	SP	New SP SOA (SPID B) receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionCustomerDisconnectDate and subscriptionBroadcastTimeStamp to the current date and time for the TNs.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
5.	NPAC	NPAC SMS issues an M-EVENT REPORT subscription VersionDonorSP-CustomerDisconnectDate notification to the Donor SP (SPID A) for each of the TNs in the range indicating the disconnect date.	SP	The Donor SP SOA (SPID A) receives a M-EVENT-REPORT subscriptionVersionDonorSP-CustomerDisconnectDate from the NPAC SMS for each of the TNs in the range (2).
6.	NPAC	NPAC SMS issues an M-DELETE Requests subscriptionVersion to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receives the M-DELETE Request and verify that the request isvalid. 2. All LSMSs in the region issue M-DELETE Responses back to the NPAC. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version delete on the local system as specified in the requests from the NPAC SMS.
7.	SP	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'old' and set the subscriptionModifiedTimeStamp and subscriptionDisconnectCompleteTimeStamp to the current date and time for the range of TNs.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
8.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification to the New SP SOA (SPID B) for the range of 2 TNs that contains the following attributes: • start TN • end TN • start SVID	SP	New SP SOA (SPID B) receives the M-EVENT-REPORT from the NPAC SMS.

		• end SVID • subscriptionVersionStatus = 'old'		
9.	SP	New SP SOA (SPID B) issues an M-EVENT-REPORT Confirmation to the NPAC SMS for the range of TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.
10.	NPAC	NPAC Personnel perform a query for the subscription versions disconnected in this test case.	NPAC	The subscription versions exist with a status of 'old'.
11.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel (SPID B) perform a local query for the subscription versions disconnected during this test case.	SP	1. On the SOA, the subscription versions are not found or they exist with a status of 'old'. 2. On the LSMS, the subscription versions no longer exist.
12.	SP – Conditional	New SP Personnel (SPID B) perform an NPAC SMS query for the subscription versions disconnected during this test case.	SP	The subscription versions exist with a status of 'old' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.22**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – New Service Provider Personnel perform an immediate disconnect of a range of Inter-Service Provider subscription versions. Primary SPID A is the New Service Provider. Secondary SPID B is the Old Service Provider and Codeholder of the NPA-NXX of the TNs used in the subscription versions. SPID A Service Provider has their Customer TN Range Notification Indicator set to TRUE. SPID B Service Provider has their Customer TN Range Notification Indicator set to FALSE. NPAC SMS manages the notifications accordingly. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-116, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.4.1, B.5.4.1.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that SPID A is a primary SPID. 2. Verify that SPID B is a secondary SPID to SPID A. 3. Verify that the Customer TN Range Notification Indicator is set to TRUE for SPID A. 4. Verify that the Customer TN Range Notification Indicator is set to FALSE for SPID B. 5. Verify that the SOA Notification Priority tunable parameters are set to the default values for both Service Providers. 6. Verify that SPID B is the codeholder of the NPA-NXX of the TNs used in this test case. 7. Verify that a range of 6 active Inter-Service Provider subscription versions exist, the New SP is SPID A, the Old SP and codeholder is SPID B and the original create request was submitted as two ranges of 3 TNs, each with different sets of DPC/SSN data but they have consecutive SVIDs.
Prerequisite SP Setup:	1. Create a range of 3 Inter-Service Provider subscription versions for the New SP (SPID A) using consecutive non-ported TNs, with one set of DPS/SSN data and SPID B as the Old SP. 2. Immediately create another range of 3 Inter-Service Provider subscription versions for the New SP (SPID A) using consecutive non-ported TNs, a different set of DPS/SSN data than was used in the first create, and SPID B as the Old SP. 3. Verify that the SVIDs are consecutive for the 6 TNs. 4. Activate all 6 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using a SOA system, SPID A Service Provider Personnel, take action, as the New SP, to perform an immediate disconnect on the range of 2 SVs referenced in the prerequisites above and submits the request to the NPAC SMS via the 'Primary' SPID (SPID A) association.	NPAC	NPAC SMS receives the M-ACTION Request from the New SP SOA (SPID A).

		2. SPID A issues an M-ACTION Request subscriptionVersionDisconnect to the NPAC SMS care of SPID A's SOA association and specifies the TNs and the current date.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription versions Status to 'disconnect-pending' for the TNs.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA (SPID A).	SP	New SP SOA (SPID A) receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionCustomerDisconnectDate and subscriptionBroadcastTimeStamp to the current date and time for the TNs.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
5.	NPAC	NPAC SMS issues an M-EVENT REPORT subscription VersionDonorSP-CustomerDisconnectDate notification to the Donor SP (SPID B) for each of the 6 TNs in the range indicating the disconnect date.	SP	The Donor SP SOA (SPID B) receives a M-EVENT-REPORT subscriptionVersionDonorSP-CustomerDisconnectDate from the NPAC SMS for each of the TNs in the range (6).
6.	NPAC	NPAC SMS issues an M-DELETE Requests subscriptionVersion to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receives the M-DELETE Requests and verify that the request isvalid. 2. All LSMSs in the region issue M-DELETE Responses back to the NPAC. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version deletes on the local system as specified in the requests from the NPAC SMS.
7.	SP	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'old' and set the subscriptionModifiedTimeStamp and subscriptionDisconnectCompleteTimeStamp to the current date and time for the range of 6 TNs.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
8.	NPAC	NPAC SMS issues two M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notifications to the New SP SOA (SPID A), one for each set of 3 TNs in the range of 6,	SP	New SP SOA (SPID A) receives two M-EVENT-REPORT notifications from the NPAC SMS. One for each set of 3 TNs.

		that contain the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionVersionStatus = 'old'		
9.	SP	New SP SOA (SPID A) issues M-EVENT-REPORT Confirmations to the NPAC.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations.
10.	NPAC	NPAC Personnel perform a query for the subscription versions disconnected in this test case.	NPAC	The subscription versions exist with a status of 'old'.
11.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel (SPID A) perform a local query for the subscription version disconnected during this test case.	SP	1. On the SOA, the subscription version is not found or it exists with a status of 'old'. 2. On the LSMS, the subscription version no longer exists.
12.	SP – Conditional	New SP Personnel (SPID A) perform an NPAC SMS query for the subscription version disconnected during this test case.	SP	The subscription version exists with a status of 'old' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.23**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Current Service Provider Personnel issue a deferred disconnect for a range of 1000 'active' subscription versions. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The deferred disconnect request is submitted as one range. The disconnect-pending request results in one notification containing a list of the SVIDs. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR5-115, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.4.2

C. PREREQUISITE

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

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Current SP Personnel submit a request to the NPAC SMS for a deferred disconnect a range of 1000 Inter-Service Provider subscription versions. Specify the range of 1000 consecutive TNs described in the prerequisites above and use an effective date of tomorrow. 2. The SOA issues an M-ACTION subscriptionVersionDisconnect	NPAC	NPAC SMS receives the M-ACTION Request from the Current SP SOA.

		Request to the NPAC SMS with the subscriptionEffectiveReleaseDate set to tomorrow and specifies the range of TNs.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'disconnect-pending', the subscriptionEffectiveReleaseDate to the date received, and set the subscriptionModifiedTimeStamp to the current date and time for each TN in the range.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the Current SP SOA.	SP	Current SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange to the Current SP SOA for the range of 1000 TNs range that contains the following attributes: • .paired list of TNs and SVIDs • subscriptionVersionStatus = 'disconnect-pending'	SP	Current SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
5.	SP	Current SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations.
6.	NPAC	NPAC Personnel perform a query for the range of subscription versions disconnected in this test case.	NPAC	The subscription versions exist with a status of 'disconnect-pending'.
7.	SP – Optional	Via their SOA &/or LSMS, Current SP Personnel perform a local query for the subscription versions disconnected during this test case.	SP	1. On the SOA, the subscription versions either do not exist or they exist with a status of 'disconnect-pending'. 2. On the LSMS, the subscription versions exist with a status of 'active'.
8.	SP – Conditional	Current SP Personnel perform an NPAC SMS query for the subscription versions disconnected during this test case.	SP	The subscription versions exist with a status of 'disconnect-pending' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.24**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Old Service Provider Personnel cancel a range of 50 Inter-Service Provider subscription versions after both Service Providers have initially concurred. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data. The range create requests are submitted without any other activity between the range create requests to ensure that the SVIDs for the TNs in the ranges are contiguous. The cancel request is submitted as one range. The cancel request results in one notification because the TNs and SVIDs are both contiguous and all TNs in the range have the same feature data. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-115, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.3.1, B.5.3.1.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Old SP Customer TN Range Notification Indicators is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that 50 consecutive subscription versions exist with a status of 'pending' for the New SP under test. All 50 TNs should have one set of DPC/SSN data. The SVIDs should be consecutive for all 50 TNs. 4. Verify that 'active' subscription versions do not currently exist for the range of 50 TNs to be used in this Test Case. 5. Verify that the Old SP has concurred to the subscription versions to be cancelled during this test case.
Prerequisite SP Setup:	1. Create one range of 25 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPC/SSN data. 2. Immediately create another range of 25 Inter-Service Provider subscription versions using the next 25 consecutive non-ported TNs with the same set of DPC/SSN data as the first 25 TN range. For example, create 1000-1024 and then immediately create 1025-1049, all with the same set of DPC/SSN data. 3. Verify that the SVIDs are consecutive for the full 50 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit a request to the NPAC to cancel a range of 50 Inter-Service Provider subscription versions for which the New SP has already concurred. Specify the range of 50 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION	NPAC	NPAC SMS receives the M-ACTION Request from the Old SP SOA.

		subscriptionVersionCancel Request to the NPAC SMS and specifies the range of TNs.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'cancel-pending' and sets the subscriptionVersionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange to the Old SP SOA for the range of 50 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionVersionStatus = 'cancel-pending'	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
5.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS for the range of 50 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT from the Old SP SOA.

6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for the range of 50 TNs that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionVersionStatus = 'cancel-pending'
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for each TN in the range of 50 TNs indicating their subscription version status is now 'cancel-pending'.
			SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

7.	SP	New SP SOA issues M-EVENT-REPORT Confirmation(s) to the NPAC SMS for the range of 50 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) from the New SP SOA.
8.	NPAC	NPAC Personnel perform a query for the range of subscription versions cancelled in this test case.	NPAC	The subscription versions exist with a status of 'cancel-pending'.
9.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription versions cancelled during this test case.	SP	The subscription versions exist with a status of 'cancel-pending'.
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription versions cancelled during this test case.	SP	The subscription versions exist with a status of 'cancel-pending' on the NPAC SMS.
11.	SP	1. Using the SOA, New Service Provider Personnel issue a subscription version Cancellation Acknowledgement Request to the NPAC SMS. 2. The SOA issues an M-ACTION subscriptionVersionNewSP-CancellationAcknowledge by specifying the range of TNs.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-CancellationAcknowledge from the New SP SOA.
12.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'cancelled' and set the subscriptionCancellationTimeStamp and subscriptionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
13.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response from the NPAC SMS.
14.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange to the Old SP SOA for the range of 50 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionVersionStatus = 'canceled'	SP	The Old SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange from the NPAC SMS.
15.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS for the set of 50 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT from the Old SP SOA.
16.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Indicator.	SP	New SP SOA receives the M-EVENT- from the NPAC SMS according to their Customer TN Range Notification Indicator.

		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for the range of 50 TNs that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionVersionStatus = 'canceled'
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for each TN in the range of 50 TNs indicating their subscription version status is now 'cancelled'.		

17.	SP	New SP SOA issues M-EVENT-REPORT Confirmation(s) to the NPAC SMS for the range of 50 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) from the New SP SOA.
18.	NPAC	NPAC Personnel perform a query for the range of subscription versions cancelled in this test case.	NPAC	The subscription versions exist with a status of 'cancelled'.
19.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription versions cancelled during this test case.	SP	The subscription versions exist with a status of 'cancelled'.
20.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription versions cancelled during this test case.	SP	The subscription versions exist with a status of 'cancelled' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.-25**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – New Service Provider is the Service Provider under test. NPAC Personel, on behalf of the Old Service Provider Personnel cancel a range of 10 Inter-Service Provider subscription versions after both Service Providers have initially concurred. The New Service Provider's Customer TN Range Notification Indicator is set to TRUE. The TNs used in the range are contiguous and have the same feature data. The cancel request is submitted as one range and results in one notification. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-115, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.3.1, B.5.3.1.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicators is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that 10 consecutive subscription versions exist with a status of 'pending' for the New SP under test. All 10 TNs should have one set of DPC/SSN data. The SVIDs should be consecutive for all 50 TNs. 4. Verify that 'active' subscription versions do not currently exist for the range of 50 TNs to be used in this Test Case. 5. Verify that the Old SP has concurred to the subscription versions to be cancelled during this test case.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	~~SP~~NPAC	Using the NPAC OpGUI, NPAC Personnel, on behalf of the Old SP, submit a request to the NPAC SMS to cancel a range of 10 Inter-Service Provider subscription versions for which the New SP has already concurred. Specify the range of 10 consecutive TNs described in the prerequisites above.	NPAC	NPAC SMS receives the Cancellation Request from the NPAC OpGUI.
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'cancel-pending' and sets the subscriptionVersionModifiedTimeSt	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.

		amp to the current date and time for each TN in the request.		

3.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for the range of 10 TNs that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionVersionStatus = 'cancel-pending'
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange indicating the subscription version status is 'cancel-pending' for each TN in the range (10).
			SP	Old SP SOA receives the M-EVENT-REPORT(s) from the NPAC SMS.

4.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT from the Old SP SOA.
5.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for the range of 10 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionVersionStatus = 'canceled'	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
6.	SP	New SP SOA issues M-EVENT-REPORT Confirmation(s) to the NPAC SMS for the range of 10 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
7.	NPAC	NPAC SMS waits for concurrence from the New SP SOA for the range of TNs.	NPAC	New SP SOA **does not** respond to the cancel request and the Cancellation – Initial Concurrence Window tunable expires.
8.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeCancellationAcknowledgeRequest notification to the New SP SOA that contains the following attributes:	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.

		that contains the following attributes: • start TN • end TN • start SVID • end SVID		
9.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
10.	SP	NPAC Personnel perform a query for the range of subscription versions cancelled in this test case.	NPAC	The subscription versions exist with a status of 'cancel-pending'.
11.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription versions cancelled during this test case.	SP	The subscription versions exist with a status of 'cancel-pending'.
12.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions cancelled during this test case.	SP	The subscription versions exist with a status of 'cancel-pending' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.26**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – New Service Provider Personnel cancel a range of 5000 Inter-Service Provider subscription versions for which the Old Service Provider has not yet concurred to. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The cancel request is submitted as one range. The cancel request results in one notification containing a list SVIDs. – Success			

B. REFERENCES

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

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that 5000 consecutive subscription versions exist with a status of 'pending' for the New SP under test. All 5000 TNs should have one set of DPC/SSN data. The SVIDs should NOT be consecutive for all 5000 TNs. The first 2500 TNs in the range should be consecutive and then there should be a break between the SVIDs in the next 2500 TNs. 4. Verify that 'active' subscription versions do not currently exist for the range of 5000 TNs to be used in this Test Case. 5. Verify that the Old SP has not concurred to the subscription versions to be cancelled during this test case.
Prerequisite SP Setup:	1. Create one range of 2500 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPC/SSN data. 2. Perform some other subscription version functions for other TNs that are not part of the range used in this test case to cause a break in SVIDs. 3. Create another range of 2500 Inter-Service Provider subscription versions using the next 2500 consecutive non-ported TNs using the same set of DPC/SSN data as the first 2500 TNs. For example, create 1000-2499, then perform other subscription version activities to TNs outside of the consecutive 5000 TNs used in this test case, then create 2500-4999 with the same set of DPC/SSN data as was used for TNs 1000-2499. 4. Verify that the SVIDs are NOT consecutive for the full 5000 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC to cancel a range of 5000 Inter-Service Provider subscription versions for which the Old SP has not yet	NPAC	NPAC SMS receives the M-ACTION Request from the New SP SOA.

		concurred. Specify the range of 5000 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionCancel Request to the NPAC SMS and specifies the range of TNs.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'cancelled' and the subscriptionVersionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response from the NPAC SMS.

4.	NPAC	NPAC SMS issues M-EVENT-REPORTs to the Old SP SOA based on their Customer TN Range Notification Indicato.:
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORTs subscriptionVersionRangeStatusAttributeValueChange is sent for the range of 5000 TNs that contains the following attributes:
		  • paired list of TNs and SVIDs
		  • subscriptionVersionStatus = 'cancelled'
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for each TN in the range of 5000 indicating the status is 'cancelled'.
			SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

5.	SP	Old SP SOA issues M-EVENT-REPORT Confirmations to the NPAC SMS for the set of 5000 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations from the Old SP SOA.
6.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange to the New SP SOA for the range of 5000 TNs that contains the following attributes: • paired list of TNs and SVIDs • subscriptionVersionStatus = 'cancelled'	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.

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

A. TEST IDENTITY

Test Case Number:	**2.27**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Old Service Provider Personnel cancel a single SV. Their Customer TN Range Notification Indicator is set to TRUE. In the pre-requisite create process only the Old SP has submitted a create request. Even though this is a single SV, the cancel request results in a range notification. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.3.3

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Customer TN Range Notification Indicator is set to TRUE for the Old Service Provider. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the Old Service Provider. 3. Verify that a subscription version exists with a status of 'pending' for the Old SP under test. 4. Verify that the New SP has not submitted a create request for the subscription version to be canceled during this test case.
Prerequisite SP Setup:	1. Verify that a subscription version exists with a status of 'pending'. 2. Verify that the New SP has not submitted a create request for the subscription version to be canceled during this test case.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit a cancel request to the NPAC for the TN described in the prerequisites above. 2. The SOA sends an M-ACTION subscriptionVersionCancel to the NPAC SMS for the TN they wish to cancel.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request from the Old SP SOA and verifies that the request is valid according to system requirements.
2.	NPAC	NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself to update the subscriptionVersionStatus to canceled for the TN.	NPAC	NPAC SMS receives the M-SET Request subscriptionVersionNPAC for the TN and issues an M-SET Response subscriptionVersionNPAC to itself.
3.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionCancel Response to the Old SP SOA indicating the subscription version was successfully canceled.	SP	Old SP SOA receives the M-ACTION subscriptionVersionCancel Response from the NPAC SMS indicating the subscription version wassuccessfully canceled.

4.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusValueAttributeChange notification for the single TN to the Old SP SOA that contains the following attributes: • paired list of TNs and SVIDs • subscriptionVersionStatus = 'cancelled'	SP	New SP SOA receives the M-EVENT-REPORTs from the NPAC SMS.
5.	SP	Old SP SOA issues M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations from the New SP SOA.

6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification that contains the following attributes:
		  • paired list of TNs and SVIDs
		  • subscriptionVersionStatus = 'cancelled'
		• If the setting is FALSE the NPAC SMS issues a M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification with subscriptionVersionStatus = canceled for the single TN.
			SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

7.	SP	New SP SOA issues M-EVENT-REPORT Confirmations indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations from the New SP SOA.
8.	NPAC	NPAC Personnel perform a query for the subscription version canceled in this test case.	NPAC	The subscription version exists with a status of 'canceled'.
9.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version canceled during this test case.	SP	The subscription version does not exist or exists with a status of 'canceled'.
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version canceled during this test case.	SP	The subscription version exists with a status of 'canceled' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.28**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Old Service Provider Personnel modify a range of ~~50~~ 100 'pending', Inter-Service Provider subscription versions to change the authorization flag from TRUE to FALSE. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data. The range create requests are submitted without any other create activity between the range create requests to ensure that the SVIDs for the TNs in the ranges are contiguous. The modify request is submitted as one range. The modify request results in one notification because the TNs and SVIDs are both contiguous and all TNs in the range have the same feature data. – Success			

B. REFERENCES

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

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Old SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the Old Service Provider. 3. Verify that ~~50~~ 100 consecutive subscription versions exist with a status of 'pending' and a future due date where the Old SP is the SP under test. All ~~50~~ 100 TNs should have one set of DPC/SSN data. The SVIDs should be consecutive for all ~~50~~ 100 TNs. 4. Verify that the New SP has concurred to the subscription versions to be modified during this test case.
Prerequisite SP Setup:	1. Create one range of ~~25~~ 50 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPC/SSN data. 2. Immediately create another range of ~~25~~ 50 Inter-Service Provider subscription versions using the next ~~25~~ 50 consecutive non-ported TNs with the same set of DPC/SSN data as the first ~~25~~ 50 TN range. For example, create 1000-~~1024~~ 1049 and then immediately create ~~1025~~1050-~~1049~~ 1099 with the same set of DPC/SSN data. 3. Verify that the SVIDs are consecutive for the full ~~50~~ 100 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit a request to the NPAC SMS to modify the authorization flag from TRUE to FALSE for a range of ~~50~~ 100 Inter-Service Provider subscription versions. Specify the range of ~~50~~100 concecutive TNs described in the pre-requisites above. 2. The SOA issues an M-ACTION	NPAC	NPAC SMS receives the M-ACTION Request from the Old SP SOA.

		subscriptionVersionModifyRequest to the NPAC SMS for the range of TNs to set the subscriptionOldSP-Authorization to FALSE.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscriptionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-EVENT REPORT subscriptionVersionRangeStatusAttributeValueChange to the Old SP SOA that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionVersionStatus = 'conflict' • subscriptionStatusChangeCause Code	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
5.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.

6.	NPAC	NPAC SMS issues an M-EVENT REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionVersionStatus = 'conflict'
		  • subscriptionStatusChangeCauseCode
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttrib
			SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

		uteValueChange notification with a subscription version status of 'conflict' and a subscriptionStatusCauseCode for each TN in the range (~~50~~100).		
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
8.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange to the Old SP SOA for the range of 50 TNsthat contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionOldSP-authorization = 'false'	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
9.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS for the range of ~~50~~ 100 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.

10.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notification that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionOldSP-authorization = 'false'
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT attributeValueChange with subscriptionOldSP-Authorization = false for each TN in the range.
			SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

11.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA
12.	NPAC	NPAC Personnel perform a query for the range of subscription	NPAC	The subscription versions exist with a status of 'conflict'.

		versions modified in this test case.		
13.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription versions modified during this test case.	SP	The subscription versions exist with status of 'conflict'.
14.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription versions modified during this test case.	SP	The subscription versions exist with a status of 'conflict' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.29**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Old Service Provider Personnel modify a range of 1000 'pending' Inter-Service Provider subscription versions to change the authorization flag from TRUE to FALSE. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The modify request is submitted as one range. The modify request results in one notifications containing a list of the SVIDs. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR5-115, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B5.5.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Old SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the Old Service Provider. 3. Verify that 1000 consecutive subscription versions exist with a status of 'pending' and a future due date where the Old SP is the SP under test. All 1000 TNs should have one set of DPC/SSN data. The SVIDs should NOT be consecutive for all 1000 TNs. The first 500 TNs in the range should be consecutive and then there should be a break between the SVIDs in the next 500 TNs. 4. Verify that the New SP has concurred to the subscription versions to be modified during this test case.
Prerequisite SP Setup:	1. Create one range of 500 Inter-Service Provider subscription versions with a future due date using consecutive non-ported TNs, with one set of DPC/SSN data. 2. Perform some other subscription version functions for other TNs that are not part of the range used in this test case to cause a break in SVIDs. 3. Create another range of 500 Inter-Service Provider subscription versions with a future due date using the next 500 consecutive non-ported TNs and the same set of DPC/SSN data as the first 500 TNs. For example, create 1000-1499, then perform other subscription version activities to TNs outside of the consecutive 1000 TNs used in this test case, then create 1500-1999 with the same set of DPC/SSN data as was used for TNs 1000-1499. 4. Verify that the SVIDs are NOT consecutive for the full 1000 TNs.

D. TEST STEPS and EXPECTED RESULTS

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

		the range of 1000 concecutive TNs described in the pre-requisites above. 2. The SOA issues an M-ACTION subscriptionVersionModifyRequest to the NPAC SMS for the range of TNs to set the subscriptionOldSP-Authorization to FALSE.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscriptionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-EVENT REPORT subscriptionVersionRangeStatusAttributeValueChange notification to the Old SP SOA that contains the following attributes: • paired list of TNs and SVIDs • subscriptionVersionStatus = 'conflict' • subscriptionStatusChangeCause Code	SP	Old SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange from the NPAC SMS.
5.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.

6.	NPAC	NPAC SMS issues an M-EVENT REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification that contains the following attributes:
		  • paired list of TNs and SVIDs
		  • subscriptionVersionStatus = 'conflict'
		  • subscriptionStatusChangeCauseCode
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification
			SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

		with a subscription version status of 'conflict' and a subscriptionStatusCauseCode for each TN in the range (1000).		
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
8.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange to the Old SP SOA for the range of 1000 TNs that contains the following attributes: • paired list of TNs and SVIDs • subscriptionOldSP-authorization = 'false'	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
9.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.

10.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for the range of 1000 TNs that contains the following attributes:
		  • paired list of TNs and SVIDs
		  • subscriptionOldSP-authorization = 'false'
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT attributeValueChange for each TN in the range of 1000.
			SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

11.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA
12.	NPAC	NPAC Personnel perform a query for the range of subscription versions modified in this test case.	NPAC	The subscription versions exist with a status of 'conflict'.
13.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription versions modified during this test case.	SP	The subscription versions exist with status of 'conflict'.
14.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription versions modified during this test case.	SP	The subscription versions exist with a status of 'conflict' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.30**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Old Service Provider Personnel modify a single 'pending', Inter-Service Provider subscription versions to change the authorization flag from TRUE to FALSE. Their Customer TN Range Notification Indicator is set to TRUE. – Success			

B. REFERENCES

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

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Old SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the Old Service Provider. 3. Verify that a subscription version exists with a status of 'pending' and a future due date where the Old SP is the SP under test. 4. Verify that the New SP has concurred to the subscription versions to be modified during this test case.
Prerequisite SP Setup:	Verify that a subscription version exists with a status of 'pending' and a future due date.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit a request to the NPAC to modify the authorization flag from TRUE to FALSE for a single Inter-Service Provider subscription version. Specify the TN described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionModify Request to the NPAC SMS for the TN to set the subscriptionOldSP-Authorization to FALSE	NPAC	NPAC SMS receives the M-ACTION Request from the Old SP SOA and determines that it is valid.
2.	NPAC	NPAC SMS locates the respective subscription version, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscriptionOldSP-Authorization attribute to FALSE and set the	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.

		subscriptionModifiedTimeStamp to the current date and time.		
3.	NPAC	NPAC SMS issues an M-ACTION Response to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-EVENT REPORT subscriptionVersionRangeStatusAttributeValueChange notification to the Old SP SOA that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionVersionStatus = 'conflict' • subscriptionStatusChangeCause Code	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
5.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.

6.	NPAC	NPAC SMS issues an M-EVENT REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionVersionStatus = 'conflict'
		  • subscriptionStatusChangeCauseCode
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification with a subscription version status of 'conflict' and a subscriptionStatusCauseCode for the TN.
			SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
8.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttribute	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.

		ValueChange notification to the Old SP SOA that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionOldSP-authorization = 'false'		
9.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS for the TN.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.

10.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notification that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionOldSP-authorization = 'false'
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT attributeValueChange for the TN.
			SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

11.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
12.	NPAC	NPAC Personnel perform a query for the subscription version modified in this test case.	NPAC	The subscription version exists with a status of 'conflict'.
13.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version modified during this test case.	SP	The subscription version exists with status of 'conflict'.
14.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version modified during this test case.	SP	The subscription version exists with a status of 'conflict' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.31**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Old Service Provider Personnel take action on a range of 'conflict' subscription versions that he created, to remove them from conflict. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data. The range create requests are submitted without any other create activity between to ensure that the SVIDs for the TNs in the ranges are contiguous. The modify request is submitted as one range. The modify request results in one notification because the TNs and SVIDs are both contiguous and all TNs in the range have the same feature data. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR5-115, RR6-81, RR5-42.5
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.5.5

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Old SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the Old Service Provider. 3. Verify that the Old Service Provider is using LONG Port-Out Timers. 4. Verify that 200 consecutive subscription versions exist with a status of 'conflict' where the Old SP is the SP under test. All 200 TNs should have one set of DPC/SSN data. The SVIDs should be consecutive for all 200 TNs. 5. Verify that the New SP has concurred to the subscription versions to be modified during this test case 6. Verify that the current time is at least 12 hours before the due date of the 200 subscription versions.
Prerequisite SP Setup:	1. Create one range of 100 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPC/SSN data, a future due date, and the authorization flag set to FALSE. 2. Immediately create another range of 100 Inter-Service Provider subscription versions using the next 100 consecutive non-ported TNs with the same set of DPC/SSN data as the first 100 TN range, a future due date, and the authorizationflag set to FALSE. For example, create 1000-1099 with and then immediately create 1100-1199 with the same set of DPC/SSN data. 3. Verify that the SVIDs are consecutive for the full 200 TNs 4. Verify that the current time is at least 12 hours before the due date of the 200 subscription versions.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit a request to the NPAC SMS to 'remove from conflict' a range of 200 Inter-Service Provider	NPAC	NPAC SMS receives the M-ACTION Request from the Old SP SOA.

		subscription versions. Specify the range of 200 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionOldSP-RemoveFromConflict Request to the NPAC SMS for the range of 200 TNs.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscriptionVersionStatus to 'pending', the subscriptionOldSP-Authorization to TRUE and the subscriptionModifiedTimeStamp and subscriptionOldSP-ConflictResolutionTimeStampto the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification to the Old SP SOA for the range of 200 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionVersionStatus = 'pending'	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
5.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS for the range of 200 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.

6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator,
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for the range of 200 TNs that contains the following attributes:
		  • start TN
		  • end TN
			SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator,

		• start SVID • end SVID subscriptionVersionStatus = 'pending' • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification for each TN in the range with the subscriptionVersionStatus set to 'pending'.		
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA
8.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notification to the Old SP SOA for the range of 200 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionOldSP-Authorization = 'true'	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
9.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS for the range of 200 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.
10.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notification of the range of 200 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionOldSP-Authorization = 'true' • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification for	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

		each TN in the range with the subscriptionOldSP-Authorization set to TRUE.		
11.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
12.	NPAC	NPAC Personnel perform a query for the range of subscription versions modified in this test case.	NPAC	The subscription versions exist with a status of 'pending'.
13.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription versions modified during this test case.	SP	The subscription versions exist with status of 'pending'.
14.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription versions modified during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.32**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Old Service Provider Personnel take action on a range of 10 'conflict' subscription versions that he created, to remove them from conflict. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The modify request is submitted as one range. The modify request results in one notifications containing a list of the SVIDs. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR5-115, RR6-81, RR5-42.5
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B5.5.5

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Old SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the Old Service Provider. 3. Verify that the Old Service Provider is using LONG Port-Out Timers. 4. Verify that 10 consecutive subscription versions exist with a status of 'conflict' where the Old SP is the SP under test. All 10 TNs should have one set of DPC/SSN data. The SVIDs should NOT be consecutive for all 10 TNs. The first 5 TNs in the range should be consecutive and then there should be a break between the SVIDs in the next 5 TNs. 5. Verify that the New SP has concurred to the subscription versions to be modified during this test case. 6. Verify that the current time is at least 12 hours before the due date of the 200 subscription versions.
Prerequisite SP Setup:	1. Create one range of 5 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPC/SSN data, a future due date, and the authorization flag set to FALSE. 2. Perform some other subscription version functions for other TNs that are not part of the range used in this test case to cause a break in SVIDs. 3. Create another range of 5 Inter-Service Provider subscription versions using the next 5 consecutive non-ported TNs using the same set of DPC/SSN data as the first 5 TNs, a future due date, and the authorization flag set to FALSE. For example, create 1000-1004, then perform other subscription version activities to TNs outside of the consecutive 10 TNs used in this test case, then create 1005-1009 with the same set of DPC/SSN data as was used for TNs 1000-1004. 4. Verify that the SVIDs are NOT consecutive for the full 10 TNs. 5. Verify that the current time is at least 12 hours before the due date of the 200 subscription versions~~.~~.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit a request to	NPAC	NPAC SMS receives the M-ACTION Request from the Old SP SOA.

		the NPAC SMS to 'remove from conflict' a range of 10 Inter-Service Provider subscription versions. Specify the range of 10 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionOldSP-RemoveFromConflict Request to the NPAC SMS for the range of TNs.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscriptionVersionStatus to 'pending' and the subscriptionOldSP-Authorization to TRUE and the subscriptionModifiedTimeStamp and subscriptionOldSP-ConflictResolutionTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange to the Old SP SOA for the range of 10 TNs that contains the following attributes: • paired list of TNs and SVIDs • subscriptionVersionStatus = 'pending'	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS containing a list of the SVIDs.
5.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.

6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for the range of 10 TNs that contains the following attributes:
		  • paired list of TNs and SVIDs
		  • subscriptionVersionStatus = 'pending'
			SP	New SP SOA receives the M-EVENT-REPORT(s) from the NPAC SMS according to their Customer TN Range NotificationIndicator.

		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification for each TN in the range of 10 with the subscriptionVersionStatus set to 'pending'.		
7.	SP	New SP SOA issues M-EVENT-REPORT Confirmation(s) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) from the New SP SOA
8.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notification to the Old SP SOA for the range of 10 TNs that contains the following attributes: • paired list of TNs and SVIDs • subscriptionOldSP-Authorization set to TRUE.	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
9.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.

10.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notification for the range of 10 TNs that contains the following attributes:
		  • paired list of TNs and SVIDs
		  • subscriptionOldSP-Authorization = 'true'
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT attributeValueChange for each TN in the range of 10 with the subscriptionOldSP-Authorization set to TRUE.
			SP	• New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

11.	SP	New SP SOA issues M-EVENT-REPORT Confirmations to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations from the New SP SOA
12.	NPAC	NPAC Personnel perform a query for the range of subscription versions modified in this test case.	NPAC	The subscription versions exist with a status of 'pending'.
13.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription versions modified	SP	The subscription versions exist with status of 'pending'.

		during this test case.		
14.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription versions modified during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.

A. TEST IDENTITY

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

B. REFERENCES

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

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Customer TN Range Notification Indicator is set to TRUE for the New Service Provider. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that active subscription versions exist for the range of 10 TNs to be used for the Port to Original request (SV1). The new Current SP on these subscription versions is an SP other than the SP under test in this test case. 4. Verify that pending subscription versions exist for this same range of 10 TNs with the SP under test listed as the New SP and the Port-to-Original flag is set to TRUE (SV2). The range of 10 TNs have the same set of DPC/SSN data and the SVIDs are consecutive.
Prerequisite SP Setup:	Verify that pending subscription versions exist for the range of 10 TNs to be activated and that the Port-to-Original flage is set to TRUE. The range of TNs have the same set of DPC/SSN data and the SVIDs are consecutive.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit an M-ACTION subscriptionVersionActivate request to the NPAC for the range of 10 TNs described in the prerequisites above (SV2). 2. The SOA sends an M-ACTION subscriptionVersionActivate to the NPAC SMS for the range of TNs (SV2)	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionActivate request from the New SP SOA.
2.	NPAC	NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself for the TNs (SV2) to set the subscriptionVersionStatus to sending and set the subscriptionActivationTimeStamp to the current date and time.	NPAC	NPAC SMS issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION	SP	New SP SOA receives the M-ACTION

		subscriptionVersionActivate Response to the New SP SOA.		subscriptionVersionActivate Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself for the TNs (SV1) to set the subscriptionVersionStatus to sending and set the subscriptionBroadcastTimeStamp to the current date and time.	NPAC	NPAC SMS issues an M-SET Response to itself.
5.	NPAC	NPAC SMS issues an M-DELETE Request subscriptionVersion SV1 to all LSMSs that are accepting downloads for the NPA-NXX of subscription Versions SV1.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receives the M-DELETE Requests and verify that the requests are valid. 2. All LSMSs in the region issue an M-DELETE Response back to the NPAC SMS. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version deletes for the range of TNs (SV1) on the local system as specified in the requests from the NPAC SMS.
6.	NPAC	NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself for the TNs (SV1) to set the subscriptionVersionStatus to old and set the subscriptionDisconnectCompleteTimeStamp to the current date and time.	NPAC	NPAC SMS issues an M-SET Response to itself.

7	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for the range of 10 TNs (SV1) that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionVersionStatus = 'old'
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification for each TN in the range (SV1) with the subscription VersionStatus of old.
			SP	Old SP SOA receives the M-EVENT-REPORT(s) from the NPAC SMS according to their Customer TN Range Notification Indicator.

8.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation(s) to the NPAC SMS indicating it successfully received the M-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) from the Old SP SOA.

		EVENT-REPORT(s) from the NPAC SMS.		
9.	NPAC	NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself for the TNs (SV2) to set the subscriptionVersionStatus to old and set the subscriptionDisconnectCompleteTimeStamp to the current date and time.	NPAC	NPAC SMS issues an M-SET Response to itself.

10	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for the range of 10 TNs (SV2) that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionVersionStatus = 'old'
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for each TN in the range (SV1) with the subscription VersionStatus of old.
			SP	Old SP SOA receives the M-EVENT-REPORT(s) from the NPAC SMS according to their Customer TN Range Notification Indicator.

11.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation(s) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT(s) from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) from the Old SP SOA.
12	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification to the New SP SOA for the range of 10 TNs (SV2) that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionVersionStatus = 'old'	SP	New SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for the range of 10 TNs (SV2) with the subscriptionVersionStatus of oldfrom the NPAC SMS.

13	SP	New SP SOA issues M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
14.	NPAC	NPAC Personnel perform a query for the range of subscription versions (SV1) used in this test case.	NPAC	The subscription versions (SV1) exist with a status of 'old'.
15	SP – Optional	Via their SOA, New SP Personnel perform a local for the range of subscription versions (SV1) used in this test case.	SP	The subscription versions (SV1) exist do not exist.
16.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the range of subscription versions (SV1) used in this test case.	SP	The subscription versions (SV1) exist with a status of 'old' on the NPAC SMS.
17	NPAC	NPAC Personnel perform a query for the range of subscription versions (SV2) used in this test case.	NPAC	The subscription versions (SV2) exist with a status of 'old'.
18	SP – Optional	Via their SOA, New SP Personnel perform a local for the range of subscription versions (SV2) used in this test case.	SP	The subscription versions (SV2) exists do not exist or they exist with a status of 'old'.
19.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the range of subscription versions (SV2) used in this test case.	SP	The subscription versions (SV2) exist with a status of 'old' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.34**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	NPAC – NPAC Personnel delete a Number Pool Block. The Donor Service Provider Customer TN Range Notification Indicator is set to TRUE. NPAC SMS manages notifications accordingly. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-85
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.4.4.23, B.4.4.24,

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Donor SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the block Holder Service Provider. 3. Verify that an active, non-contaminated, Number Pool Block exists for the Block Holder Service Provider and it has an empty FailedSP-List. 4. Verify that no subscription versions have been ported away from the Number Pool Block.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	1. Using the NPAC OpGUI, NPAC Personnel take action to delete an active Number Pool Block. 2. NPAC SMS issues an M-SET numberPoolBlockNPAC Request to itself to update the numberPoolBlockStatus to 'sending' and set the numberPoolBlockBroadcastTimeStamp to the current date and time.	NPAC	NPAC SMS receives the M-SET Request from itself and issues an M-SET Response.
2.	NPAC	NPAC SMS issues a corresponding M-SET subscriptionVersionNPAC Request to itself to set the subscriptionVersionStatus to 'sending' and set the subscriptionModifiedTimeStamp to the current date and time.	NPAC	NPAC SMS receives the M-SET Request from itself and issues an M-SET Response..
3	NPAC	NPAC SMS issues an M-DELETE subscriptionVersion to all non-EDR LSMSs in the region that are accepting download for this NPA-NXX		All LSMSs in the region accepting downloads for this NPA-NXX successfully receives the M-DELETE Request and successfully respond to the NPAC SMS.

		NXX.		
4.	NPAC	NPAC SMS issues an M-DELETE numberPoolBlock to all EDR LSMSs in the region that are accepting download for this NPA-NXX.		All LSMSs in the region accepting downloads for this NPA-NXX successfully receive the M-DELETE Request and successfully respond to the NPAC SMS.
5.	NPAC	NPAC SMS issues an M-SET subscriptionVersionNPAC to itself to set the subscriptionVersionStatus to 'old' and set the subscriptionModifiedTimeStamp and the subscriptionDisconnetCompleteTimeStamp to the current date and time.	NPAC	NPAC SMS receives the M-SET Request to itself and responds with an M-SET Response to itself.
6.	NPAC	NPAC SMS issues an M-SET numberPoolBlockNPAC to itself to set the numberPoolBlockStatus to 'old' and set the numberPoolBlockModifiedTimeStamp and the numberPoolBlockDisconnectCompleteTimeStamp to the current date and time.	NPAC	NPAC SMS receives the M-SET Request to itself and responds with an M-SET Response to itself.
7.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeDonorSP-CustomerDisconnectDate notification to the Donor SP SOA for the 1000 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionVersionCustomerDisconnectDate • subscriptionEffectiveReleaseDate	SP	Donor SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
8.	SP	Donor SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Donor SP SOA.
9.	NPAC	NPAC SMS issues an M-EVENT-REPORT numberPoolBlockStatusAttributeValueChange to the SP SOA for the number pool block indicating its status is now 'old'.	SP	SP SOA receives the M-EVENT-REPORT numberPoolBlockStatusAttributeValueChange from the NPAC SMS.
10.	SP	SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS for the number pool block.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation for the number pool block.
11.	NPAC	NPAC SMS sends an M-DELETE Request serviceProvNPA-NXX-X to itself to delete the NPA-NXX-X from its database.	NPAC	NPAC SMS issues an M-DELETE Respons to itself.

12.	NPAC	NPAC SMS issues an M-DELETE serviceProvNPA-NXX-X to all SOAs that support this object according to their NPAC Customer SOA NPA-NXX-X Indicator in their Service Provider Profile on the NPAC SMS and are accepting downloads for this NPA-NXX.	SP	All SOAs that are accepting downloads for this NPA-NXX and who support the NPA-NXX-X object receive the M-DELETE Request.
13.	NPAC	NPAC SMS issues an M-DELETE serviceProvNPA-NXX-X to all LSMSs that support this object according to their NPAC Customer LSMS NPA-NXX-X Indicator in their Service Provider Profile on the NPAC SMS and are accepting downloads for this NPA-NXX.	SP	All LSMSs that are accepting downloads for this NPA-NXX and who support the NPA-NXX-X object receive the M-DELETE Request.
14.	SP	All SOAs that received the M-DELETE Request from the NPAC SMS issues an M-DELETE Response back to the NPAC SMS.	NPAC	NPAC SMS receives the M-DELETE Responses from the SP SOAs.
15	SP	All LSMSs that received the M-DELETE Request from the NPAC SMS issues an M-DELETE Response back to the NPAC SMS.	NPAC	NPAC SMS receives the M-DELETE Responses from the SP LSMSs.
16.	NPAC	NPAC Personnel perform a query for the NPA-NXX-X, number pool block and associated subscription versions deleted in this test case.	NPAC	The NPA-NXX-X, number pool block and associated subscription versions exist with a status of ‘old’.
17.	SP – Optional	Via their SOA &/or LSMS, SP Personnel perform a local query for the NPA-NXX-X, number pool block and associated subscription versions deleted during this test case.	SP	The NPA-NXX-X, number pool block and associated subscription versions do not exist or they exist with a status of ‘old’.
18.	SP – Conditional	SP Personnel perform an NPAC SMS query for the NPA-NXX-X, number pool block and associated subscription versions deleted during this test case.	SP	The NPA-NXX-X, number pool block and associated subscription versions exist with a status of ‘old’ on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.35**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider Personnel perform an Intra-Service Provider port of a range of 10 TNs that is part of an active Number Pool Block. Their Customer TN Range Notification Indicator is set to TRUE. NPAC SMS manages notifications accordingly. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.11

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Customer TN Range Notification Indicator is set to TRUE for the New Service Provider. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that an 'active' Number Pool Block with an empty FailedSP-List exists for the Service Provider under test.
Prerequisite SP Setup:	Verify that a 'active' number pool block with an empty FailedSP-List exists.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit an M-CREATE subscriptionVersionNewSP-Create request to the NPAC for an Intra-Service Provider port of a range of 10 TNs (SV2) that are part of the number pool block described in the prerequisites above. 2. The SOA sends an M-CREATE subscriptionVersionNewSP-Create to the NPAC SMS for the range of TNs (SV2).	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request from the New SP SOA.
2.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for the TNs (SV2) to create the subscription versions, set the subscriptionVersionStatus to 'pending', and set the subscriptionCreationTimeStamp, subscriptionNewSPAuthorizationTimeStamp,	NPAC	NPAC SMS issues an M-CREATE Response to itself.

		subscriptionOldSPAuthorizationTimeStamp, and subscriptionModifedTimeStamp to the current date and time.		
3.	NPAC	NPAC SMS issues an M-CREATE subscriptionVersionNewSP-Create Response to the New SP SOA.	SP	New SP SOA receives the M-CREATE subscriptionVersionNewSP-Create Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation to the New SP SOA that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionId • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-DueDate • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported)	NPAC	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
5.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
6.	NPAC	NPAC Personnel perform a query for the range of subscription versions created in this test case.	NPAC	The subscription versions exist with a status of 'pending' and an LNP type of 'LISP'.
7.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the range of subscription versions created in this test case.	SP	The subscription versions exist with a status of 'pending' and an LNP type of 'LISP'.
8.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the range of subscription versions created in this test case.	SP	The subscription versions exist with a status of 'pending' and an LNP type of 'LISP'.

A. TEST IDENTITY

Test Case Number:	**2.36**	**SUT Priority:**	**SOA**	C
			LSMS	R
Objective:	NPAC and SOA – NPAC Personnel do a mass update on 5000 active SVs where more than 1000 of the SVs are contiguous and have the same feature data. The Maximum Number of Download Records tunable is set to 1000. The Service Provider has their Customer TN Range Notification Indicator set to TRUE. NPAC SMS manages notifications accordingly. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR6-80
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.8.3

C. PREREQUISITE

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

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	Using the NPAC OP GUI, NPAC Personnel submit a Mass Update request to modify the LRN for 5000 subscription versions on behalf of the Service Provider under test. To update the range of 5000 TNs described in the prerequisites above LRN will be used as the mass update filter criteria.	NPAC	NPAC SMS receives the Mass Update request and searches the subscription version database for subscription versions that match the input mass update criteria.
2.	NPAC	1. NPAC SMS issues three M-SET Requests to each LSMS in the region that is accepting downloads for the first NPA-NXX to update the subscription version attributes with the new	LSMS	1. All LSMSs in the region accepting downloads for the first NPA-NXX receive the three M-SET Requests from the NPAC SMS with the new subscription version attribute values, . 2. All LSMSs in the region accepting downloads for the second NPA-NXX receive the three M-SET Requests from

		values for first range of 2500 TNs in the request. Two requests contain 1000 TNs each and one contains 500 TNs 2. NPAC SMS issues three M-SET Requests to each LSMS in the region that is accepting downloads for the second NPA-NXX, to update the subscription version attributes with the new values for the second range of 2500 TNs in the request. Two requests contain 1000 TNs each and one contains 500 TNs		the NPAC SMS with the new subscription version attribute values,. 3. All LSMSs that received the M-SET Requests from the NPAC SMS issue M-SET Responses back to the NPAC SMS. 4. After the LSMSs issue the M-SET Responses back the NPAC SMS, they locally update the subscription version attributes per the Mass Update requests.
3.	NPAC	NPAC SMS issues three M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notifications to the Current Service Provider (Service Provider under test) for the first range of 2500 TNs in the request. Two notifications contain 1000 TNs each and one contains 500 TNs. NPAC SMS issues three more M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notifications to the Current Service Provider (Service Provider under test) for the second range of 2500 TNs in the request. Two notifications contain 1000 TNs each and one contains 500 TNs. Each notification contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'active'	SP	1. Current SP SOA receives the six M-EVENT-REPORT from the NPAC SMS.
4.	NPAC	NPAC Personnel perform a query for the subscription versions that were updated during this test case.	NPAC	The subscription version attributes were appropriately updated and the status of all the subscription versions is 'active'.
5.	SP - Optional	Via their SOA &/or LSMS, Current SP Personnel perform a local query for the subscription versions that were updated during this test case.	SP	1. On the SOA, the subscription versions exist with a status of 'active' and an empty Failed SP List. 2. On the LSMS, the subscription versions exist with a status of 'active' and the new LRN.
6.	SP - Conditional	Current SP Personnel perform an NPAC SMS query for the subscription versions that were updated during this test case.	SP	The subscription versions exist with a status of 'active' and the new LRN on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.37**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA –Service Provider recovers a mixture of SV notifications for ranges of TNs. Their Customer TN Range Notification Indicator set to TRUE. . – Success			

B. REFERENCES

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

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Customer TN Range Notification Indicator is set to TRUE for the SP under test. 2. Verify that the SOA Notification Priority tunable parameter is set to default values for the SP under test. 3. Verify that, if supported, the SOA Origination Indicator is set to TRUE. 4. Verify that the SOA Supports NPA-NXX-X is set to TRUE. 5. Filters are set for the NPA-NXXs such that all LSMS broadcasts will be successful. 6. While the SP SOA under test is off-line perform the following activities on behalf of the SP under test: a) Where the SP under test is the New SP, create a range of 50 consecutive, non-ported TNs with one set of DPC/SSN data, the Old SP will not respond to this create request. Concurrence Window timers (T1 & T2) expire. For example, create 1000-1049. b) Modify the LRN for the first 20 consecutive TNs of the subscription versions created in step ‘a’ above. For example, modify 1000-1019. c) Cancel the last 5 TNs of the subscription versions created in step ‘a’ above. For example, cancel 1045-1049. d) Activate the first 45 TNs of the subscription versions create in step ‘a’ above. For example, activate 1000-1044. e) Where the SP under test is the Old SP, create a range of 10 consecutive, non-ported TNs where the Authorization flag is set to TRUE. For example create 2000-2009. f) Let the Initial and Final Concurrence Timers expire for the subscription versions in step ‘e’. For example, let the timers expire for 2000-2009. g) Disconnect the 10 subscription versions where the SP under test is the Donor SP. For example, disconnect 3000-3009. h) Where the SP under test is the New SP, create a range of 1000 consecutive, non-ported TNs with one set of DPC/SSN data, and have the Old SP issue a concurrence to the New SP Create. For example, create 4000-4999. i) Cancel the subscription versions in step ‘h’ above – acting on behalf of the Old SP. The New SP (which is the SP under test) should not acknowledge this cancel request. Subscription versions status is set to ‘cancel-pending’. Concurrence Window timers (T1 & T2) expire. Subscription versions status is updated to ‘conflict’. For example, acting as the Old SP, NPAC personnel cancel 4000-4999. The SP under

	test is the New SP – do not send a cancel request for the same TNs. Subscription versions status is set to 'cancel-pending'. Timers (T1 & T2) expire. Subscription versions status is updated to 'conflict'. j) Where SP under test is the New SP, create a range of 25 consecutive, non-ported TNs using one set of DPC/SSN data. For example, create 5000-5024 with one set of DPC/SSN data. k) Where SP under test is the New SP, create another range of subscription versions using the next 25 consecutive, non-ported TNs (after those used in step 'j' above) and using the same set of DPC/SSN data. Make sure that the SVIDs are not contiguous between the 25 TNs in step 'j' and the 25 TNs in this step. For example, create 5025-5049 with a unique set of DPC/SSN data. l) Activate a range of 50 consecutive TN subscription versions using the TNs combined from steps 'j' and 'k' above. For example, activate 5000-5049. m) Where the SP under test is the New SP, Create a Number Pool Block. For example, create a Number Pool Block for 9000-9999. n) Where the SP under test is the current SP, de-pool a Number Pool Block. For example, de-pool 9000-9999.
Prerequisite SP Setup:	1. Create a range of 10,000 subscription versions. 2. Have the old service provider concur to the create request or let the Concurrence Window timers expire. 3. Verify that the due date on the subscription versions has been reached. 4. Activate the 10,000 subscription versions. 5. Take the SOA off line.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. After all the prerequisites have been completed, SP Personnel bring their SOA back on-line. 2. SP SOA establishes an association from their SOA to the NPAC SMS with the resynchronization flag set to TRUE.	NPAC	NPAC SMS receives the association bind request from the SOA. Once the association is established, the NPAC SMS queues all current updates.
2.	SP	SP SOA issues an M-ACTION Request lnpDownload (network data) to the NPAC SMS and specifies the time range for the resync request.	NPAC	NPAC SMS receives the M-ACTION and issues an M-ACTION Response lnpDownload back to the SOA with the Network Data updates.
3.	SP	SP SOA issues an M-ACTION Request lnpNotificationRecovery (notification data) to the NPAC SMS and specifies the start time for the resync request.	NPAC	NPAC SMS receives the M-ACTION Request from the SP SOA and issues an M-ACTION Response lnpNotificationRecovery with the following notification data updates to the SP SOA: SP SOA will receive the following notifications in the sequence that the actions were performed: 1. For the TNs in Item 4 of the Prerequisite SP Setup above: • One M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for all TNs in the range with a subscription version status of 'active'. (Range data) 2. For the TNs in step 'a' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range

				• One M-EVENT-REPORT subscriptionVersionRangeOldSP-Concurrence for all TNs in the range. (Range data) • One M-EVENT-REPORT subscriptionVersionRangeOldSP-FinalCreateWindowExpiration for all TNs in the range. (Range data) 3. For the TNs in step 'b' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for all TNs in the range. (Range data) 4. For the TNs in step 'c' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range with the subscription versions status of 'canceled'. (Range data) 5. For the TNs in step 'd' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for the first 20 TNs in the range (due to a break in SVIDs). (Range data) • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for the next 25 TNs in the range (due to a break in SVIDs). (Range data) 6. For the TNs in step 'e' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range. (Range data) 7. For the TNs in step 'f' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeNewSP-CreateRequest for all TNs in the range. (Range data) • One M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration for all TNs in the range if the SOA supports the Final Create Window Expiration notification. (Range data) 8. For the TNs in step 'g' of the prerequisites: • One M-EVENT-REPORT subscription versionRangeDonorSP-CustomerDisconnectDate for all TNs in the range. (Range data) 9. For the TNs in step 'h' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range. (Range data) • One M-EVENT-REPORT attributeValueChange for all TNs in the range. (Range data) 10. For the TNs in step 'i' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange with the subscriptionVersionStatus set to 'cancel-pending'. (Range data) • One M-EVENT-REPORT subscriptionVersionRangeCancellationAcknowledgeRequest for all TNs in the range. (Range data)

				• One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange with the subscriptionVersionStatus set to 'conflict'. (Range data) 11. For the TNs in step 'j' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range. (Range data) 12. For the TNs in step 'k' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range. (Range data) 13. For the TNs in step 'l' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for the range of 50 TNs in the range. (List date due to non-consecutive SVIDs) 14. For the Number Pool Block in step 'm' of the prerequisites: • One M-EVENT-REPORT numberPoolBlockObjectCreation 15. For the Number Pool Block in step 'n' of the prerequisites: • One M-EVENT-REPORT numberPoolBlockDelete
4.	SP	SP SOA issues an M-ACTION Request lnpRecoveryComplete to the NPAC SMS to set the resynchronization flag to FALSE.	NPAC	NPAC SMS receives the M-ACTION Request from the SOA and replies back to the SOA with data updates at the next scheduled interval for the NPA-NXX that was created during resynchronization and the subscription version that was activated during resynchronization.
5.	SP	SP SOA receives the M-ACTION Response from the NPAC SMS with the data updates since the association was re-established.		
6.	NPAC	NPAC Personnel verify the data was sent in the action response.	NPAC	The appropriate data was sent.
7.	SP – Optional	Via their SOA, Service Provider Personnel perform a local query for the data updated in this test case.	SP	The following updates were sent: 1. For the TNs that were created and activated in the Prerequisite SP Setup: • The subscription versions exist with a status of 'active'. 2. For the TNs that are part of step 'a' in the prerequisites: • The first 20 subscription versions exist with a status of 'active' and a different LRN then the last 25 subscription versions in the range. • The next 25 subscription versions in the range exist with a status of 'active' and a unique LRN from the first 20 subscription versions in the range. • The last 5 subscription versions in the range have a status of 'canceled' (or may not exist depending on local implementation). 3. For the TNs that are part of step 'e' in the prerequisites: • The subscription versions exist with a status of 'pending'. 4. For the TNs that are part of step 'g' in the prerequisites: • The subscription versions exist with a status of 'old'.

				(or may not exist depending on local implementation) 5. For the TNs that are part of step 'h' in the prerequisites: • The subscription versions exist with a status of 'conflict'. 6. For the TNs that are part of step 'j' in the prerequisites: • The subscription versions exist with a status of 'active'. 7. For the TNs that are part of step 'k' in the prerequisites: • The subscription versions exist with a status of 'active'. 8. For the Number Pool Block that is part of step 'm' in the prerequisites: • The Number Pool Block exists and subscription versions of LNP Type 'POOL' exist with status of 'active'. 9. For the Number Pool Block that is a part of step 'n' in the prerequisites: • The Number Pool Block does not exist and respective subscription versions exist with a status of 'old'. (the subscription versions may not exist depending on local implantation)
8.	SP – Conditional	Service Provider Personnel, perform an NPAC SMS query for the data updated in this test case.	SP	The following results are found: 1. For the TNs that were created and activated in the Prerequisite SP Setup: • The subscription versions exist with a status of 'active'. 2. For the TNs that are part of prerequisites step 'a': • The first 20 subscription versions exist with a status of 'active' and a different LRN from the last 25 subscription versions in the range. • The next 25 subscription versions in the range exist with a status of 'active' and a unique LRN from the first 20 subscription versions in the range. • The last 5 subscription versions in the range have a status of 'canceled'. 3. For the TNs that are part of step 'e' in the prerequisites: • The subscription versions exist with a status of 'pending'. 4. For the TNs that are part of step 'g' in the prerequisites: • The subscription versions exist with a status of 'old'. 5. For the TNs that are part of step 'h' in the prerequisites: • The subscription versions exist with a status of 'conflict'. 6. For the TNs that are part of step 'j' in the prerequisites: • The subscription versions exist with a status of 'active'. 7. For the TNs that are part of step 'k' in the prerequisites: • The subscription versions exist with a status of 'active'. 8. For the Number Pool Block that is part of step 'm' in the prerequisites: • The Number Pool Block exists and subscription versions of LNP Type 'POOL' exist with status of 'active'. 9. For the Number Pool Block that is a part of step 'n' in the prerequisites:

				• The Number Pool Block and respective subscription versions exist with a status of ‘old’.

A. TEST IDENTITY

Test Case Number:	**2.38**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider does not have any notifications queued. Service Provider aborts their SOA association. Service Provider changes their Customer TN Range Notification Indicator value from TRUE to FALSE and recovery is attempted. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR6-82
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.7.2

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify the Customer TN Range Notification Indicator is set to TRUE for the SP under test. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the Service Provider under test. 3. While the SOA under test is off-line perform the following activities on behalf of the SP under test: a) Modify the Customer TN Range Notification Indicator for the SP under test from TRUE to FALSE. b) Where SP under test is the New SP, Create a range of 25 consecutive, non-ported TNs using one set of DPC/SSN data. For example, create 5000-5024 with one set of DPC/SSN data. c) Where SP under test is the New SP, Create another range of subscription versions using the next 25 consecutive, non-ported TNs (after those used in step 'j' above) and using another unique set of DPC/SSN data. Make sure that the SVIDs are completely contiguous between the 25 TNs in step 'j' and the 25 TNs in this step. For example, create 5025-5049 with a unique set of DPC/SSN data. d) Activate a range of 50 consecutive TN subscription versions using the TNs combined from steps 'j' and 'k' above. For example, activate 5000-5049.
Prerequisite SP Setup:	Take the SOA off-line.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. After all the prerequisites have been completed, SP Personnel bring their SOA back on-line. 2. The SP establishes an association from their SOA to the NPAC SMS with the resynchronization flag set to TRUE.	NPAC	NPAC SMS receives the association bind request from the SOA. Once the association is established, the NPAC SMS queues all current updates.
2.	SP	SP SOA issues an M-ACTION Request lnpDownload (network data) to the NPAC SMS and	NPAC	NPAC SMS receives the M-ACTION and issues an M-ACTION Response lnpDownload back to the SOA with the Network Data updates.

		specifies the time range for the resync request.		
3.	SP	SP SOA issues an M-ACTION Request lnpNotificationRecovery (notification data) to the NPAC SMS and specifies the start time for the resync request.	NPAC	NPAC SMS receives the M-ACTION Request from the SP SOA and issues an M-ACTION Response lnpNotificationRecovery with the following notification data updates to the SP SOA: 1. For the TNs in step 'b' of the prerequisites: • An M-EVENT-REPORT subscriptionVersionObjectCreation for each TN in the range 2. For the TNs in step 'c' of the prerequisites: • An M-EVENT-REPORT subscriptionVersionObjectCreation for each TN in the range 3. For the TNs in step 'd' of the prerequisites: • An M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange each TN in the range
4.	SP	SP SOA issues an M-ACTION Request lnpRecoveryComplete to the NPAC SMS to set the resynchronization flag to FALSE.	NPAC	NPAC SMS receives the M-ACTION Request from the SOA and replies back to the SOA with data updates at the next scheduled interval for the NPA-NXX that was created during resynchronization and the subscription version that was activated during resynchronization.
5.	SP	SOA receives the M-ACTION Response from the NPAC SMS with the data updates since the association was re-established.		
6.	NPAC	NPAC Personnel verify the data was sent in the action response.	NPAC	The appropriate data was sent.
7.	SP – Optional	Service Provider Personnel, using the SOA, perform a local query for the data updated in this test case.	SP	**The following updates were sent:** 1. For the TNs that are part of step 'b' in the prerequisites: • The subscription versions exist with a status of 'active'. 2. For the TNs that are part of step 'c' in the prerequisites: • The subscription versions exist with a status of 'active'.
8.	SP – Conditional	Service Provider Personnel, perform an NPAC SMS query for the data updated in this test case.	SP	The following results are found: 1. For the TNs that are part of prerequisites step 'b': • The subscription versions were created and had a status of 'pending'. 2. For the TNs that are part of prerequisites step 'c': • The subscription versions were created and had a status of 'pending'. 3. For the TNs that are part of prerequisites step 'd': • The subscription versions exist with a status of 'active'.

A. TEST IDENTITY

Test Case Number:	**2.39**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider has notifications queued. Service Provider aborts their SOA association. Service Provider changes their Customer TN Range Notification Indicator value from FALSE to TRUE and recovery is attempted. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR6-82
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.7.2

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify the Customer TN Range Notification Indicator is set to FALSE for the SP under test. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the Service Provider under test. 3. While the SOA under test is off-line perform the following activities on behalf of the SP under test: a. Where the SP under test is the New SP, Create a range of 50 consecutive, non-ported TNs with one set of DPC/SSN data, the Old SP will not respond to this create request. For example, create 1000-1049. b. Modify the LRN for the first 20 consecutive TNs of the subscription versions created in step 'a' above. For example, modify 1000-1019. c. Cancel the last 5 TNs of the subscription versions created in step 'a' above. For example, cancel 1045-1049. d. Activate the first 45 TNs of the subscription versions create in step 'a' above. For example, activate 1000-1044. e. Modify the Customer TN Range Notification Indicator for the SP under test from FALSE to TRUE. f. Where SP under test is the New SP, Create a range of 25 consecutive, non-ported TNs using one set of DPC/SSN data. For example, create 5000-5024 with one set of DPC/SSN data. g. Where SP under test is the New SP, Create another range of subscription versions using the next 25 consecutive, non-ported TNs (after those used in step 'j' above) and using another unique set of DPC/SSN data. Make sure that the SVIDs are completely contiguous between the 25 TNs in step 'j' and the 25 TNs in this step. For example, create 5025-5049 with a unique set of DPC/SSN data. h. Activate a range of 50 consecutive TN subscription versions using the TNs combined from steps 'j' and 'k' above. For example, activate 5000-5049. 4. While the SOA under test is still in recovery, on behalf of the SP under test, submit an Intra-Service Provider Subscription Version Create Request for a range of 10 TNs
Prerequisite SP Setup:	Take the SOA off line.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. After all the prerequisites have been completed, SP Personnel bring their SOA back on-line. 2. The SP establishes an association from their SOA to the NPAC SMS with the resynchronization flag set to TRUE.	NPAC	NPAC SMS receives the association bind request from the SOA. Once the association is established, the NPAC SMS queues all current updates.
2.	SP	SP SOA issues an M-ACTION Request lnpDownload (network data) to the NPAC SMS and specifies the time range for the resync request.	NPAC	NPAC SMS receives the M-ACTION and issues an M-ACTION Response lnpDownload back to the SOA with the Network Data updates.
3.	SP	SP SOA issues an M-ACTION Request lnpNotificationRecovery (notification data) to the NPAC SMS and specifies the start time for the resync request.	NPAC	NPAC SMS receives the M-ACTION Request from the SP SOA and issues an M-ACTION Response lnpNotificationRecovery with updates to the SP SOA. SP SOA will receive the following notifications in the sequence that the actions were performed: 1. For the TNs in step 'a' of the prerequisites: • An M-EVENT-REPORT subscriptionVersionObjectCreation for each TN in the range • An M-EVENT-REPORT subscriptionVersionOldSP-Concurrence for each TN in the range • An M-EVENT-REPORT subscriptionVersionOldSP-FinalCreateWindowExpiration for each TN in the range 2. For the TNs in step 'b' of the prerequisites: • An M-EVENT-REPORT attributeValueChange for each TN in the range 3. For the TNs in step 'c' of the prerequisites: • An M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for each TN in the range 4. For the TNs in step 'd' of the prerequisites: • An M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for the each TN in the range 5. For the TNs in step 'f' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range 6. For the TNs in step 'g' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range 7. For the TNs in step 'h' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range
7.	SP	SP SOA issues an M-ACTION Request lnpRecoveryComplete to the NPAC SMS to set the	NPAC	NPAC SMS receives the M-ACTION Request from the SOA and replies back to the SOA with data updates at the next scheduled interval for the subscription versions that were

		resynchronization flag to FALSE.		created during resynchronization.
8.	SP	SP SOA receives the M-ACTION Response from the NPAC SMS with the data updates since the association was re-established.		
9.	NPAC	NPAC Personnel verify the data was sent in the action response.	NPAC	The appropriate data was sent.
10.	SP – Optional	Service Provider Personnel, using the SOA, perform a local query for the data updated in this test case.	SP	The following updates were sent: 1. For the TNs that are part of step 'a' in the prerequisites: • The first 20 subscription versions exist with a status of 'active' and a different LRN then the last 25 subscription versions in the range. • The next 25 subscription versions in the range exist with a status of 'active' and a unique LRN from the first 20 subscription versions in the range. • The last 5 subscription versions in the range have a status of 'old' (or may not exist depending on local implementation). 2. For the TNs that are part of step 'f' in the prerequisites: • The subscription versions exist with a status of 'active'. 3. For the TNs that are part of step 'g' in the prerequisites: • The subscription versions exist with a status of 'active'. 4. For the TNs that are part of Item 4 in the prerequisites: • The subscription versions exist with a status of 'pending'.
11.	SP – Conditional	Service Provider Personnel, perform an NPAC SMS query for the data updated in this test case.	SP	The following results are found: 1. For the TNs that are part of step 'a' in the prerequisites: • The first 20 subscription versions exist with a status of 'active' and a different LRN then the last 25 subscription versions in the range. • The next 25 subscription versions in the range exist with a status of 'active' and a unique LRN from the first 20 subscription versions in the range. • The last 5 subscription versions in the range have a status of 'old' (or may not exist depending on local implementation). 2. For the TNs that are part of step 'f' in the prerequisites: • The subscription versions exist with a status of 'active'. 3. For the TNs that are part of step 'g' in the prerequisites: • The subscription versions exist with a status of 'active'. 4. For the TNs that are part of Item 4 in the prerequisites: • The subscription versions exist with a status of 'pending'.

A. TEST IDENTITY

Test Case Number:	**2.40**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – 'Primary' Service Provider Personnel initiate notification recovery over their SOA to NPAC Interface to recover a mixture of SV notifications for ranges of TNs for both their 'Primary' and 'Associated' SPIDs. The Customer TN Range Notification Indicator set to TRUE for both SPIDs. – Success			

B. REFERENCES

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

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that SPID B is established as a 'Secondary' SPID to 'Primary' SPID A. 2. Verify that the Customer TN Range Notification Indicator is set to TRUE for both SPID A and SPID B. 3. Verify that the SOA Notification Priority tunable parameter is set to default values for both SPID A and SPID B. 4. Verify that filters are set for the NPA-NXXs such that all LSMS broadcasts will be successful. 5. While the SPID A SOA is off-line perform the following activities on behalf of SPID A and SPID B: a) Create subscription versions for a range of 50 consecutive, non-ported TNs with one set of DPC/SSN data, where the New SP is SPID B and the Old SP and owner of the NPA-NXX is SPID A. b) On behalf of SPID A, concur to the subscription versions just created in step a. c) Activate the subscription versions create in step 'a' above. d) Disconnect the subscription versions activated in step 'c' above.
Prerequisite SP Setup:	Take the SOA off line.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. After all the prerequisites have been completed, SP Personnel bring the SPID A SOA back on-line. 2. The SPID A SP establishes an association from their SOA to the NPAC SMS with the resynchronization flag for SPID A set to TRUE.	NPAC	NPAC SMS receives the association bind request from the SOA. Once the association is established, the NPAC SMS queues all current updates.
2.	SP	SP SOA issues an M-ACTION Request lnpDownload (network data) to the NPAC SMS for SPID A and specifies the time range for the	NPAC	NPAC SMS receives the M-ACTION and issues an M-ACTION Response lnpDownload back to the SOA with the Network Data updates.

		resync request.		
3.	SP	SP SOA issues an M-ACTION Request lnpNotificationRecovery (notification data) to the NPAC SMS for SPID A and specifies the start time for the resync request.	NPAC	NPAC SMS receives the M-ACTION Request from the SOA and issues an M-ACTION Response lnpNotificationRecovery with the following notification data updates to the SP SOA: SP SOA will receive the following notifications in the sequence that the actions were performed: 1. For the SVs created in Item a of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range with a subscription version status of 'pending'. (Range data) 2. For the SVs in step 'b' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for all TNs in the range 3. For the SVs in step 'c' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range with a subscription version status of 'active'. (Range data) 4. For the SVs in step 'd' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeDonorSP-CustomerDisconnectDate for all TNs in the range. (Range data)
4.	SP	SP SOA issues an M-ACTION Request lnpRecoveryComplete to the NPAC SMS for SPID A to set the resynchronization flag to FALSE.	NPAC	NPAC SMS receives the M-ACTION Request from the SOA and replies back to the SOA with data updates at the next scheduled interval.
5.	SP	SP SOA receives the M-ACTION Response from the NPAC SMS with any data updates since the association was re-established.		
6	SP	SPID A's SOA issues an M-ACTION Request lnpNotificationRecovery to the NPAC SMS for SPID B and specifies the time range for the resync request.	NPAC	NPAC SMS receives the M-ACTION Request from the SOA and issues an M-ACTION Response lnpNotificationRecovery with the following notification data updates to the SP SOA: SP SOA will receive the following notifications in the sequence that the actions were performed: 1. For the SVs created in Item a of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range with a subscription version status of 'pending'. (Range data) 2. For the SVs in step 'b' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for all TNs in the range 3. For the SVs in step 'c' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range with a subscription version status of 'activite'. (Range data) 4. For the SVs in step 'd' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange

				for all TNs in the range with a subscription version status of 'old'. (Range data)
7	SP	SP SOA issues an M-ACTION Request lnpRecoveryComplete to the NPAC SMS for SPID B to set the resynchronization flag to FALSE.	NPAC	NPAC SMS receives the M-ACTION Request from the SOA and replies back to the SOA with data updates at the next scheduled interval.
8	SP	SP SOA receives the M-ACTION Response from the NPAC SMS with any data updates since the association was re-established.		
9.	NPAC	NPAC Personnel verify the appropriate data was sent for each SPID in the action responses.	NPAC	The appropriate data was sent.
10.	SP – Optional	Via their SOA, Service Provider Personnel perform a local query for the SPID A data updated in this test case.	SP	The following updates were sent: • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range with a subscription version status of 'pending'. (Range data) • One M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for all TNs in the range • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range with a subscription version status of 'active'. (Range data) • One M-EVENT-REPORT subscriptionVersionRangeDonorSP-CustomerDisconnectDate for all TNs in the range. (Range data)
8.	SP – Optional	Via their SOA, Service Provider Personnel perform a local query for the SPID B data updated in this test case.	SP	The following results are found: • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range with a subscription version status of 'pending'. (Range data) • One M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for all TNs in the range • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range with a subscription version status of 'activite'. (Range data) • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range with a subscription version status of 'old'. (Range data).

3. NANC 240 – No Cancellation of SVs Based on Expiration of T2 Timer Test Cases

A. TEST IDENTITY

Test Case Number:	**3.1**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Old Service Provider creates a single TN subscription version. New Service Provider does not send create. Timers (T1 & T2) expire. The NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for both the Old and New Service Providers. The Final Create Window Expiration notification is sent to both Service Providers. The subscription version stays in 'pending' status for a tunable amount of time. Verify that subscription version status is changed to 'cancelled' after tunable amount of time. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 240
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-117, RR3-240, RR3-242, RR3-244,, R4-8
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B5.1.1, B.5.1.6.4, B.5.1.6.5

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Set the Pending Subscription Retention parameter to a small value. 2. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for both the Old and New Service Providers. 3. Verify that the Customer TN Range Notification Indicator is set to a valid production value for both the Old and New SP. 4. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC for a single TN. 2. The SOA sends an M-ACTION subscriptionVersionOldSP-Create to the NPAC SMS for the TN they wish to create.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.
2.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for the TN, to create the respective subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionversionNPAC for the TN and issues an M-CREATE Response subscriptionVersionNPAC to itself to set the subscription version status to 'pending' and set the subscriptionModifiedTimeStamp and

				subscriptionCreationTimeStamp to the current date and time for the subscription version.
3.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionOldSP-Create Response to the Old SP SOA indicating the subscription version was successfully created.	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator: • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation notification.	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
5.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator setting indicating the NPAC successfully processed the subscription version create request from the service provider. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation notification	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
7.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
8.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending'.
9.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending'.

10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.
11.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA ~~**DOES NOT**~~**does not** respond to the create request and the Service Provider Concurrence Window tunable expires.
12.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator: • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-CreateRequest notification. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-CreateRequest notification.	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
13.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
14.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA **does not**~~**DOES NOT**~~ respond to the create request and the Service Provider Concurrence Final Window tunable expires.

15.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for the Old SP. NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration notification to the Old SP SOA that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionOldSP
		  • subscriptionNewCurrentSP
			SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

		• subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported) • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-FinalCreateWindowExpiration for the TN to the Old SP SOA that contains the following attributes: • subscriptionTN • subscriptionId • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported)		
16.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
17.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for the New SP. NPAC SMS issues and M-EVENT-REPORT to the New SP SOA based on their Customer TN Range	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

		Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeNewSP-FinalCreateWindowExpiration notification that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionOldSP
		  • subscriptionNewCurrentSP
		  • subscriptionOldSP-DueDate
		  • subscriptionOldSP-Authorization
		  • subscriptionOldSP-AuthorizationTimeStamp
		  • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false)
		  • subscriptionTimerType (if supported)
		  • subscriptionBusinessType (if supported)
		• If the setting is FALSE, NPAC SMS issues a subscriptionVersionNewSP-FinalCreateWindowExpiration notification that contains the following attributes:
		  • subscriptionTN
		  • subscriptionId
		  • subscriptionOldSP
		  • subscriptionNewCurrentSP
		  • subscriptionOldSP-DueDate
		  • subscriptionOldSP-Authorization
		  • subscriptionOldSP-AuthorizationTimeStamp
		  • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false)
		  • subscriptionTimerType (if supported)
		  • subscriptionBusinessType (if supported)		

18.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.

		successfully received the M-EVENT-REPORT from the NPAC SMS.		
19.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending'.
20.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending'.
21.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.
22.	NPAC	The Pending Subscription Retention parameter expires without any action from SP or NPAC Personnel to either concur to the port or otherwise cancel the subscription version.	NPAC	NPAC SMS automatically sets the subscription version status to 'cancelled' for the subscription version that was created during this test case.
23.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP based on their Customer TN Range Notification Indicatorindicating that the subscription version created during this test case has been set to 'cancelled': • If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatusAttributeValueChange. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange .	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
24.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP based on their Customer TN Range Notification Indicator indicating that the subscription version created during this test case has been set to 'cancelled': • If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatusAttributeValueChange. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange.	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
25.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'cancelled'.
26.	SP – Optiona	Via their SOA, Old SP Personnel perform a local query for the	SP	The subscription version exists with a status of 'cancelled'.

	1	subscription version created during this test case.		
27.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'cancelled' on the NPAC SMS.

A. TEST IDENTITY

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

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 240
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR3-241, RR3-243, R4-8
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B5.1.1, B5.1.6.4, B.5.1.6.5

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Set the Pending Subscription Retention parameter to a small value. 2. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for both the Old and New Service Providers. 3. Verify that the Customer TN Range Notification Indicator is set to a valid production value for both the Old and New SP. 4. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC for a single TN. 2. The SOA sends an M-ACTION subscriptionVersionOldSP-Create to the NPAC for the TN they wish to create.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.
2.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for the TN, to create the respective subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionversionNPAC for the TN and issues an M-CREATE Response subscriptionVersionNPAC to itself to set the subscription version status to 'pending' and set the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time for the subscription version.
3.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionOldSP-Create Response to the Old SP SOA indicating the subscription version	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the

		was successfully created.		subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator: • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation.	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
5.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator indicating the NPAC successfully processed the subscription version create request from the service provider. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
7.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
8.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of ‘pending’.
9.	SP – Optional	Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of ‘pending’.
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of ‘pending’ on the NPAC SMS.
11.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA ~~**DOES NOT**~~**does not** respond to the create request and the Service Provider Concurrence Window tunable expires.
12.	NPAC	Once the Service Provider	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC

		Concurrence Window has expired, NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator: • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-CreateRequest. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-CreateRequest		SMS according to their Customer TN Range Notification Indicator.
13.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
14.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA ~~**DOES NOT**~~**does not** respond to the create request and the Service Provider Concurrence Final Window tunable expires.
15.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for the Old SP so it does not issue an M-EVENT-REPORT subscriptionVersionNewSP-FinalCreateWindowExpiration notification.	SP	Old SP SOA **does not** receive an M-EVENT-REPORT from the NPAC SMS.
16.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for the New SP so it does not issue an M-EVENT-REPORT subscriptionVersionNewSP-FinalCreateWindowExpiration notification..	SP	New SP SOA **does not** receive an M-EVENT-REPORT from the NPAC SMS.
17.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of ‘pending’.
18.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of ‘pending’.
19.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of ‘pending’ on the NPAC SMS.

20.	NPAC	The Pending Subscription Retention parameter expires without any action from SP or NPAC Personnel to either concur to the port or otherwise cancel the subscription version.	NPAC	NPAC SMS automatically sets the subscription version status to 'cancelled' for the subscription version that was created during this test case.
21.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP based on their Customer TN Range Notification Indicator indicating that the subscription version created during this test case has been set to 'cancelled': • If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatusAttributeValueChange. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange.	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
22.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP based on their Customer TN Range Notification Indicator indicating that the subscription version created during this test case has been set to 'cancelled': • If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatusAttributeValueChange. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange.	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
23.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription versions exist with a status of 'cancelled'.
24.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription versions exist with a status of 'cancelled'.
25.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription versions exist with a status of 'cancelled' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**3.3**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Old Service Provider creates a subscription version. New Service Provider does not send create. Concurrance Window timers (T1 & T2) expire. After the Concurrence Window timers have expired, the New Service Provider does their create and activates the subscription version The NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for the New Service Provider and to FALSE for the Old Service Provider. The Final Create Window Expiration notification is sent to the New Service Provider. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1	**Relevant Requirement(s):**	RR5-117, RR3-241, RR3-243, RR3-244
NANC IIS Version Number:	3.1	**Relevant Flow(s):**	B5.1.1, B.5.1.6.4, B.5.1.6.5

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Set the Pending Subscription Retention parameter to a small value. 2. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for the NewSP and FALSE for the Old SP. 3. Verify that the Customer TN Range Notification Indicator is set to a valid production value for both the Old and New SP. 4. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC SMS for a single TN. 2. The SOA sends an M-ACTION subscriptionVersionOldSP-Create to the NPAC SMS for the TN they wish to create.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.
2.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for the TN, to create the respective subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionversionNPAC for the TN and issues an M-CREATE Response subscriptionVersionNPAC to itself to set the subscription version status to 'pending' and set the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time for the subscription version.
3.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionOldSP-Create Response to the Old SP SOA	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response from the NPAC SMS indicating the subscription version was successfully

		indicating the subscription version was successfully created.		created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation notification.	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
5.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator indicating the NPAC successfully processed the subscription version create request from the service provider. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation notification.	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
7.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
8.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending'.
9.	SP – Optional	Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending'.
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.
11.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA ~~**DOES NOT**~~**does not** respond to the create request and the Service Provider Concurrence Window tunable expires.

12.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-CreateRequest notification. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-CreateRequest notification.	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
13.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
14.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA ~~**DOES NOT**~~**does not** respond to the create request and the Service Provider Concurrence Failure Window tunable expires.
15.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for the Old SP so it does not issue an M-EVENT-REPORT subscriptionVersionNewSP-FinalCreateWindowExpiration notification..	SP	Old SP SOA **does not** receive an M-EVENT REPORT from the NPAC SMS.

16.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for the New SP. NPAC SMS issues and M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeNewSP-FinalCreateWindowExpiration notification that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
			SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

		• end SVID • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported) • If the setting is FALSE, NPAC SMS issues a subscriptionVersionNewSP-FinalCreateWindowExpiration notification that contains the following attributes: • subscriptionTN • subscriptionId • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported)		
17.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
18.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of ‘pending’.
19.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of ‘pending’.
20.	SP –	Old SP Personnel perform an NPAC	SP	The subscription version exists with a status of ‘pending’ on the

	Conditional	SMS query for the subscription version created during this test case.		NPAC SMS.
21	SP	1. Using the SOA, New SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC for the same TN that was created in Row 1 by the Old SP. 2. The SOA send an M-ACTION subscriptionVersionNewSP-Create to the NPAC SMS.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create from the New SP SOA and verifies that each attribute specified is valid according to system requirements.
22.	NPAC	NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself and sets the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time.	NPAC	NPAC SMS receives the M-SET from itself and issues an M-SET response to itself.
23.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionNewSP-Create Response to the Old SP SOA indicating the subscription version was successfully created.	SP	New SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
24.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notification. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange notification.	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
25.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
26.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notification. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange notification.	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

27.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
28.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC SMS to activate the single Inter-Service Provider subscription version. 2. The SOA issues an M-ACTION subscriptionVersionActivate Request to the NPAC SMS and specifies the TN.	NPAC	NPAC SMS receives the M-ACTION Request from the New SP SOA.
29.	NPAC	NPAC SMS locates the respective subscription version, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'sending' and set the subscriptionVersionActivationTime Stamp and subscriptionModifiedTimeStamp to the current date and time for the TN.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
30.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response from the NPAC SMS.
31.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionBroadcastTimeStamp to the current date and time for the TN.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
32	NPAC	NPAC SMS issues an M-CREATE Requests subscriptionVersion to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-CREATE Request and verify that the request is valid. 2. All LSMSs in the region issue an M-CREATE Response subscriptionVersion back to the NPAC. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version create on the local system as specified in the request from the NPAC SMS.
33.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for the TN indicating the subscription version status is now 'active'. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for the TN	SP	• Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

		indicating the status is 'active'.		
34.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
35.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for the TN indicating the subscription version status is now 'active'. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for the TN indicating the status is 'active'.	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
36	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS for the TN.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation for the the TN.
37.	NPAC	NPAC Personnel perform a query for the subscription version activated in this test case.	NPAC	The subscription version exists with a status of 'active'.
38.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription version activated during this test case.	SP	1. On the SOA, the subscription version exists with an empty Failed SP List. 2. On the LSMS, the subscription version exists with a status of 'active'.
39.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version activated during this test case.	SP	The subscription version exists with a status of 'active' on the NPAC SMS.

A. TEST IDENTITY

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

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 240
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-117, RR3-241, RR3-243, RR3-244
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.1, B.5.1.6.4, B.5.1.6.5

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Set the Pending Subscription Retention parameter to a small value. 2. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for the NewSP and TRUE for the Old SP. 3. Verify that the Customer TN Range Notification Indicator is set to a valid production value for both the Old and New SP. 4. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC SMS for a single TN. 2. The SP SOA issues an M-ACTION subscriptionVersionOldSP-Create to the NPAC SMS for the TN they wish to create.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.
2.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for the TN, to create the respective subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionversionNPAC for the TN and issues an M-CREATE Response subscriptionVersionNPAC to itself to set the subscription version status to 'pending' and set the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time for the subscription version.
3.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionOldSP-Create Response to the Old SP SOA	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response from the NPAC SMS indicating the subscription version was successfully

		indicating the subscription version was successfully created.		created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation notification.	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
5.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator indicating the NPAC successfully processed the subscription version create request from the service provider. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation notification.	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
7.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
8.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending'.
9.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending'.
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.
11.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA ~~**DOES NOT**~~**does not** respond to the create request and the Service Provider Concurrence Window tunable expires.

12.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-CreateRequest notification. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-CreateRequest notification.	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
13.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
14.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA ~~**DOES NOT**~~**does not** respond to the create request and the Service Provider Concurrence Final Window tunable expires.

15.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for the Old SP. NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionOldSP
		  • subscriptionNewCurrentSP
		  • subscriptionOldSP-DueDate
		  • subscriptionOldSP-Authorization
		  • subscriptionOldSP-AuthorizationTimeStamp
		  • subscriptionStatusChangeC
			SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

		auseCode (if subscriptionOldSP-Authorization set to false) • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported) • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration notification that contains the following attributes: • subscriptionTN • subscriptionId • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported)		
16.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
17.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for the New SP so it does not issue an M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration notification.	SP	New SP SOA does not receive an M-EVENT-REPORT from the NPAC SMS.
18.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of ‘pending’.
19.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the	SP	The subscription version exists with a status of ‘pending’.

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

A. TEST IDENTITY

Test Case Number:	**3.5**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	Old SP creates a subscription version with authorization flag set to FALSE, New SP does not send create, timers (T1 & T2) expire. The NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for both the Old and New SPs. The Final Create Window Expiration notification is sent to both SPs and it contains the cause code. The subscription version stays in 'conflict' status. Verify that the SV status is changed to 'cancelled' after tunable amount of time – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 240
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-117, RR5-118, RR3-244
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.1, B5.1.6.4, B.5.1.6.5

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Set the Pending Subscription Retention parameter to a small value. 2. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for both the Old and New Service Providers. 3. Verify that the Customer TN Range Notification Indicator is set to a valid production value for both the Old and New SP. 4. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC SMS for a single TN with authorization set to FALSE and a cause code. 2. Old SP SOA issues an M-ACTION subscriptionVersionOldSP-Create to the NPAC SMS for the TN they wish to create.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.
2.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for the TN, to create the respective subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionversionNPAC for the TN and issues an M-CREATE Response subscriptionVersionNPAC to itself to set the subscription version status to 'pending' and set the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time for

				the subscription version.
3.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionOldSP-Create Response to the Old SP SOA indicating the subscription version was successfully created.	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation notification.	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
5.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator indicating the NPAC successfully processed the subscription version create request from the service provider. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation notification.	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
7.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
8.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'conflict'.
9.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'conflict'.
10.	SP – Conditi	Old SP Personnel perform an NPAC SMS query for the subscription	SP	The subscription version exists with a status of 'conflict' on the NPAC SMS.

	onal	version created during this test case.		
11.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA **~~DOES NOT~~does not** respond to the create request and the Service Provider Concurrence Window tunable expires.
12.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-CreateRequest notification. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-CreateRequest notification.	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
13.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
14.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA **does not~~DOES NOT~~** respond to the create request and the Service Provider Concurrence Failure Window tunable expires.

15.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for the Old SP. NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration notification that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionOldSP
		  • subscriptionNewCurrentSP
		  • subscriptionOldSP-DueDate
			SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

		• subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported) • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-FinalCreateWindowExpiration notification that contains the following attributes: • subscriptionTN • subscriptionId • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported)		
16.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
17.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for the New SP. NPAC SMS issues and M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues a	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

		subscriptionVersionRangeNewSP-FinalCreateWindowExpiration notification that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported) • If the setting is FALSE, NPAC SMS issues a subscriptionVersionNewSP-FinalCreateWindowExpiration notification with the following attributes: • subscriptionTN • subscriptionId • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported)		
18.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.

19.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'conflict'.
20.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'conflict'.
21.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'conflict' on the NPAC SMS.
22.	NPAC	The Pending Subscription Retention parameter expires without any action from SP or NPAC Personnel to either concur to the port or otherwise cancel the subscription version.	NPAC	NPAC SMS automatically sets the subscription version status to 'cancelled' for the subscription version that was created during this test case.
23.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP based on their Customer TN Range Notification Indicator indicating that the subscription version created during this test case has been set to 'cancelled': • If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatusAttributeValueChange notification indicating the status is now 'cancelled'. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification indicating the status is 'cancelled'.	SP	The Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
24.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP based on their Customer TN Range Notification Indicator indicating that the subscription version created during this test case has been set to 'cancelled': • If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatusAttributeValueChange notification indicating the status is now 'cancelled'. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification indicating the status is 'cancelled'.	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

25.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription versions exist with a status of 'cancelled'.
26.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription versions exist with a status of 'cancelled'.
27.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription versions exist with a status of 'cancelled' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**3.6**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider has the No New SP Concurrence Notification Indicator set to TRUE. Service Provider recovers Final Create Window Expiration notifications during recovery. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 240
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-117,RR6-29
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.7.2

C. PREREQUISITE

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

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	SP Personnel take their SOA off-line.	SP	SP SOA is not available to receive messages from the NPAC SMS.
2.	NPAC	NPAC SMS begins queuing messages destined for the SP SOA including all the messages in the prerequisites above.	NPAC	NPAC SMS stores the messages according to the SP Customer TN Range Notification Indicator and the No New SP Concurrence Notification Indicator setting.
~~4~~3.	SP	1. After all the prerequisites have been completed, SP Personnel bring their SOA back on-line. 2. The SP establishes an association from their SOA to the NPAC SMS with the resynchronization flag set to TRUE.	NPAC	NPAC SMS receives the association bind request from the SOA. Once the association is established, the NPAC SMS queues all current updates.
~~5~~4.	SP	SP SOA issues an M-ACTION Request lnpDownload (network data) to the NPAC SMS and	NPAC	NPAC SMS receives the M-ACTION and issues an M-ACTION Response lnpDownload back to the SOA with the Network Data updates.

		specifies the time range for the resync request.		
65.	SP	SP SOA issues an M-ACTION Request lnpNotificationRecovery (notification data) to the NPAC SMS and specifies the start time for the resync request.	NPAC	NPAC SMS receives the M-ACTION Request from the SP SOA and issues an M-ACTION Response lnpNotificationRecovery with the following notification data updates to the SP SOA based on their Customer TN Range Notification Indicator: • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration for the single TN subscription version create. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-FinalCreateWindowExpiration for the single TN subscription version create
76.	SP	SP SOA issues an M-ACTION Request lnpRecoveryComplete to the NPAC SMS to set the resynchronization flag to FALSE.	NPAC	NPAC SMS receives the M-ACTION Request from the SOA and replies back to the SOA with an M-ACTION Response. Any activity that the NPAC SMS had queued up during resynchronization will now be sent.
97.	NPAC	NPAC Personnel verify the data was sent in the action response.	NPAC	The appropriate data was sent.
108.	SP – Optional	Via their SOA, Service Provider Personnel perform a local query for the data updated in this test case.	SP	The subscription version that was created on behalf of the Old SP during the prerequisites of this test case has a status of ‘pending’ and the appropriate notifications were received.
119.	SP – Conditional	Service Provider Personnel, perform an NPAC SMS query for the data updated in this test case.	SP	The subscription version that was created on behalf of the Old SP during the prerequisites of this test case exists on the NPAC SMS with a of status is ‘pending’.

A. TEST IDENTITY

Test Case Number:	**3.7**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider has the No New SP Concurrence Notification Indicator set to FALSE. Service Provider **does not** recover Final Create Window Expiration notifications during recovery. – Success			

B. REFERENCES

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

C. PREREQUISITE

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

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	SP Personnel take their SOA off-line.	SP	SP SOA is not available to receive messages from the NPAC SMS.
2.	NPAC	NPAC SMS begins queuing messages destined for the SP SOA including all the messages in the prerequisites above.	NPAC	NPAC SMS stores the messages according to the SP Customer TN Range Notification Indicator and No New SP Concurrence Notification Indicator setting.
4.	SP	1. After all the prerequisites have been completed, SP Personnel bring their SOA back on-line. 2. The SP establishes an association from their SOA to the NPAC SMS with the resynchronization flag set to TRUE.	NPAC	NPAC SMS receives the association bind request from the SOA. Once the association is established, the NPAC SMS queues all current updates.
5.	SP	SP SOA issues an M-ACTION Request lnpDownload (network data) to the NPAC SMS and	NPAC	NPAC SMS receives the M-ACTION and issues an M-ACTION Response lnpDownload back to the SOA with the Network Data updates.

		specifies the time range for the resync request.		
6.	SP	SP SOA issues an M-ACTION Request lnpNotificationRecovery (notification data) to the NPAC SMS and specifies the start time for the resync request.	NPAC	NPAC SMS receives the M-ACTION Request from the SP SOA and issues an M-ACTION Response lnpNotificationRecovery with the following notification data updates to the SP SOA based on their Customer TN Range Notification Indicator: • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification for the single TN in the subscription version create. • If the setting is FALSE, the NPAC SMS issues one M-EVENT-REPORT objectCreation notification for the single TN in the subscription version create.
7.	SP	SP SOA issues an M-ACTION Request lnpRecoveryComplete to the NPAC SMS to set the resynchronization flag to FALSE.	NPAC	NPAC SMS receives the M-ACTION Request from the SOA and replies back to the SOA with an M-ACTION Response. Any activity that was queued up during the resynchronization will now be sent..
8.	SP	SP SOA receives the M-ACTION Response from the NPAC SMS and any activity that the NPAC SMS had queued up during resynchronization.		
9.	NPAC	NPAC Personnel verify the data was sent in the action response.	NPAC	The appropriate data was sent.
10.	SP – Optional	Via their SOA, Service Provider Personnel perform a local query for the data updated in this test case.	SP	The subscription version that was created on behalf of the Old SP during the prerequisites of this test case has a status of ‘pending’ and appropriate notifications were received.
11.	SP – Conditional	Service Provider Personnel perform an NPAC SMS query for the data updated in this test case.	SP	The subscription version that was created on behalf of the Old SP during the prerequisites of this test case exists on the NPAC SMS with a of status is ‘pending’.

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

A. TEST IDENTITY

Test Case Number:	**4.1**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA –Old Service Provider Personnel submit a subscription version Concurrence after 7:00PM EST (the next day GMT but same day local time) using the same due date (GMT) as used in the initial creation by the New Service Provider. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 294
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-119
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.4

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider. 2. Verify that the New Service Provider has created the subscription version with a due date equal to today (in the Old Service Provider's local time zone) and it has a status of 'pending'. 3. Verify that the current time is after 7:00PM EST today (~~/~~next day GMT) in the Old Service Provider's time zone.
Prerequisite SP Setup:	Verify that the current time is after 7:00PM EST today (~~/~~next day GMT) in the local time zone.

D. TEST STEPS and EXPECTED RESULTS

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

2.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscriptionModifiedTimeStamp to the current date and time.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response from the NPAC SMS.
4	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notification. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange notification.	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
5	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
6	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notification. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange notification.	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
8.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of ‘pending’.
9.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of ‘pending’.
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of ‘pending’ on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**4.2**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Old Service Provider Personnel submit a subscription version Concurrence after 23:59PM (GMT and local time) using the same due date (in GMT) as the New Service Provider specified, which is a date and time for yesterday. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 294
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-119
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.4

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider. 2. Verify that the New Service Provider has created the subscription version with a due date equal to yesterday (local time) and it has a status of 'pending'. 3. Verify that the current time is "subscriptionVersionNewSP-DueDate plus 1" (both local and GMT time) in the Old Service Provider's time zone.
Prerequisite SP Setup:	Verify that the time is "subscriptionVersionNewSP-DueDate plus 1" (both local and GMT time) in the local time zone.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. When the current date and time is "subscriptionVersionNewSP-DueDate plus 1" (local and GMT time), using the SOA, Old SP Personnel submit a subscription version Concurrence request to the NPAC SMS with the subscriptionOldSP-DueDate equal to yesterday (GMT) for a subscription version that was created earlier with a due date of yesterday (GMT). 2. Old SP SOA issues an M-ACTION subscriptionVersionOldSP-Create to the NPAC SMS.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.
2.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscriptionModifiedTimeStamp to the current date and time.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.

3.	NPAC	NPAC SMS issues an M-ACTION Response to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response from the NPAC SMS.
4	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange.	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
5	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
6	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange.	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
8.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of ‘pending’.
9.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of ‘pending’.
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of ‘pending’ on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**4.3**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – New Service Provider Personnel submit a subscription version Create after 7:00PM EST (the next day GMT but same day local time) using the same due date (in GMT) as used in the initial creation by the Old Service Provider. – Success			

B. REFERENCES

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

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider. 2. Verify that the Old Service Provider has created the subscription version with a due date equal to today (in the Service Provider's local time zone) and it has a status of 'pending'. 3. Verify that the current time is after 7:00PM EST today (~~/~~next day GMT) in the Old Service Provider's time zone.
Prerequisite SP Setup:	Verify that the current time is after 7:00PM EST today (~~/~~next day GMT) in the local time zone.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. When the current time is after 7:00PM EST (~~/~~next day GMT), using the SOA, New SP Personnel submit a subscription version Concurrence request to the NPAC SMS with the subscriptionNewSP-DueDate equal to yesterday (in GMT) for a subscription version that was created earlier (by the Old SP) with a due date of yesterday (in GMT). The due dates should match. 2. New SP SOA issues an M-ACTION subscriptionVersionOldSP-Create to the NPAC SMS.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request from the New SP SOA and verifies that each attribute specified is valid according to system requirements.
2.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscriptionModifiedTimeStamp and the subscriptionCreationTimeStamp to	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.

		the current date and time.		
3.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response from the NPAC SMS.
4	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange.	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
5	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
6	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange.	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
8.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of ‘pending’.
9.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of ‘pending’.
10.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of ‘pending’ on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**4.4**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – New Service Provider Personnel submit a subscription version Concurrence after 23:59PM (GMT and local time) using the same due date (in GMT) as the Old Service Provider specified, which is a date and time for yesterday. – Success			

B. REFERENCES

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

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider. 2. Verify that the Old Service Provider has created the subscription version with a due date equal to yesterday (local time) and it has a status of 'pending'. 3. Verify that the current time is "subscriptionVersionOldSP-DueDate plus 1" (both local and GMT time) in the New Service Provider's time zone.
Prerequisite SP Setup:	Verify that the current time is "subscriptionVersionOldSP-DueDate plus 1" (both local and GMT time) in the local time zone.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. When the current date and time is "subscriptionVersionOldSP-DueDate plus 1" (local and GMT time), using the SOA, New SP Personnel submit a subscription version Create request to the NPAC SMS with the subscriptionNewSP-DueDate equal to yesterday (GMT) for a subscription version that was created earlier with a due date of yesterday (GMT). The due dates should match. 2. New SP SOA issues an M-ACTION subscriptionVersionNewSP-Create to the NPAC SMS.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request from the New SP SOA and verifies that each attribute specified is valid according to system requirements.
2.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscriptionModifiedTimeStamp and the subscriptionCreationTimeStamp to	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.

		the current date and time.		
3.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response from the NPAC SMS.
4	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange.	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
5	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
6	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange.	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
8.	NPAC	NPAC Personnel perform a query for subscription version created in this test case.	NPAC	The subscription version exists with a status of ‘pending’.
9.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of ‘pending’.
10.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of ‘pending’ on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**4.5**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider Personnel (Old or New) do the initial create of a subscription version after 7:00PM EST where the due date is the current date in local time but the next day in GMT. – Error			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 294
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-119
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.1 or B.5.1.2

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider. 2. Verify that a 'pending-like' subscription version for the TN to be used in this test case does not exist on the NPAC SMS. 3. Verify that the current time is after 7:00PM EST today (next day GMT) in the New/Old Service Provider's time zone.
Prerequisite SP Setup:	Verify that the current time is after 7:00PM EST today (next day GMT) in the local time zone.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. When the current date and time is today, local time, buttomorrow, GMT, using the SOA, SP Personnel submit a subscription version Create request to the NPAC SMS with the subscriptionNew/OldSP-DueDate equal to yesterday (-in GMT). 2. SP SOA issues an M-ACTION subscriptionVersionNew/OldSP -Create to the NPAC SMS	NPAC	1. NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request from the New SP SOA and verifies that each attribute specified is valid according to system requirements. 2. NPAC SMS determines that the due date is for yesterday (GMT). This violates system requirement so it fails the request.
2.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA indicating that the request failed.	SP	New SP SOA receives the M-ACTION Response from the NPAC SMS.
3.	NPAC	NPAC Personnel perform a query for the subscription version that the service provider attempted to create in this test case.	NPAC	The subscription version does not exist.
4	SP – Optional	Via their SOA, SP Personnel perform a local query for the subscription version that they attempted to create during this test	SP	The subscription version does not exist.

		case.		
5	SP – Conditional	SP Personnel perform an NPAC SMS query for the subscription version that they attempted to create during this test case.	SP	The subscription version does not exist on the NPAC SMS.

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

NOTE: The Long and Short Business Days tunable parameter used in the test cases in this section is a regional parameter and modifying it will affect everyone that is testing in the region. Therefore, the execution of the test cases in this section will need some coordination.

A. TEST IDENTITY

Test Case Number:	**5.1**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	NPAC and SOA – NPAC Personnel verify that the Long Business Days tunable parameter is defaulted to Sunday through Saturday. NPAC Personnel modify the Long Business Days tunable parameter to a value that does not include today. Both Old SP Port Out and New SP Port In Timers are set to SHORT. New SP Personnel submit an SV Create. Old SP does not concur. After a tunable amount of time the Initial Concurrence Window timer has not expired and the Old SP has not received an OldSP-Concurrence Request notification. NPAC Personnel modify the Long Business Days tunable parameter to a value that does include today. After a tunable amount of time the Initial Concurrence Window timer has expired and the Old SP receives an OldSP-Concurrence Request notification – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 328
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR3-233, RR3-234, RR3-235, RR3-236
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.2, B.5.1.6.2

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider. 2. Verify that the 'Long Business Days' tunable parameter is defaulted to 'Sunday through Saturday'. 3. Verify that the New and Old Service Provider's 'Business Days' tunable parameter is set to 'LONG'. 4. Verify that for the New Service Provider in this TC, their 'Port-In Timer Type' is set to 'SHORT' in their Customer Profile. 5. Verify that for the Old Service Provider in this TC, their 'Port-Out Timer Type' is set to 'SHORT' in their Customer Profile. 6. Verify that the New and Old Service Provider's 'SP Business Type' is set to 'LONG' in their Customer Profile. 7. Verify the Initial Concurrence Timer is set to their lowest possible value, in order to expedite test verification
Prerequisite SP Setup:	Verify that the respective NPA-NXX exists for which you are going to create an Inter-Service Provider Subscription Version.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	Using the NPAC OpGUI, NPAC Personnel modify the 'Long Business Days' tunable parameter	NPAC	The 'Long Business Days' tunable parameter is modified such that it does not include today.

		such that it does not include today.		
2.	SP	1. Using the SOA, New SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC. 2. The SOA sends an M-ACTION subscriptionVersionNewSP-Create to the NPAC SMS.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request from the New SP SOA and verifies that each attribute specified is valid according to system requirements.
3.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself to create the subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionVersionNPAC and issues an M-CREATE Response subscriptionVersionNPAC to itself to set the subscription version status to 'pending' and set the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time.
4.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionNewSP-Create Response to the New SP SOA indicating the subscription version was successfully created.	SP	New SP SOA receives the M-ACTION subscriptionVersionNewSP-Create Response from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
5.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
6.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
7.	NPAC	1. NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation 2. NPAC SMS sets the Initial Concurrence Window timer for	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.

		this Subscription Version based on the New Service Provider Port-In Timer Type and SP Business Type and the Old Service Provider Port-Out Timer Type and SP Business Type settings in their respective Customer Profiles.		
8.	SP	Old SP SOA issues M-EVENT-REPORT Confirmation(s) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) from the Old SP SOA.
9.	SP	Old SP SOA ~~DOES NOT~~does not respond to the create request.		
10.	NPAC	NPAC SMS waits for the tunable amount of time for the Initial Concurrence Window timer during the business hours for the day~~.~~.	NPAC	The Initial Concurrence Window timer has not expired.
11.	SP	Old SP Personnel checks its notifications to see if an OldSP-ConcurrenceRequest notification was received from the NPAC SMS.	SP	Old SP did not receive an OldSP-ConcurrenceRequest notification from the NPAC SMS.
12	NPAC	Using the NPAC OpGUI, NPAC Personnel modify the 'Long Business Days' tunable parameter such that it includes today.	NPAC	The 'Long Business Days' tunable parameter is modified such that it includes today.
13	NPAC	NPAC SMS waits for the tunable amount of time for the Initial Concurrence Window timer during the business hours for the day..	NPAC	The Initial Concurrence Window timer expires~~.~~.
14.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionOldSP-ConcurrenceRequest notification to the Old SP SOA.	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
15	SP	Old SP SOA issues an M-EVENT-REPORTConfirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPROT Confirmation from the Old SP SOA.
16.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending' but does not contain any Old SP data.
17.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' but does not contain any Old SP data~~.~~.
18.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS but does not contain any Old SP data.
19.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' but does not contain any Old SP data~~.~~.
20.	SP –	Old SP Personnel perform an NPAC	SP	The subscription version exists with a status of 'pending' on the

	Conditional	SMS query for the subscription version created during this test case.		NPAC SMS but does not contain any Old SP data.

A. TEST IDENTITY

Test Case Number:	**5.2**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	NPAC and SOA – NPAC Personnel verify that the Long Business Days tunable parameter is defaulted to Sunday through Saturday. NPAC Personnel modify the Long Business Days tunable parameter to a value that does not include today. Both Old SP Port Out and New SP Port In Timers are set to LONG. Old SP Personnel submit an SV Create. New SP does not submit his create. After a tunable amount of time the Initial Concurrence Window timer has not expired and the New SP has not received a NewSP-Create Request notification. NPAC Personnel modify the Long Business Days tunable parameter to a value that does include today. After a tunable amount of time the Initial Concurrence Window timer has expired and the New SP receives a NewSP-Create Request notification – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 328
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR3-233, RR3-234, RR3-235, RR3-236
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.1, B.5.1.6.5

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider. 2. Verify that the 'Long Business Days' tunable parameter is defaulted to 'Sunday through Saturday'. 3. Verify that the New and Old Service Provider's 'Business Days' tunable parameter is set to 'LONG'. 4. Verify that for the New Service Provider in this TC, their 'Port-In Timer Type' is set to 'LONG' in their Customer Profile. 5. Verify that for the Old Service Provider in this TC, their 'Port-Out Timer Type' is set to 'LONG' in their Customer Profile. 6. Verify that the New and Old Service Provider's 'SP Business Type' is set to 'LONG' in their Customer Profile. 7. Verify the Initial Concurrence Timer is set to their lowest possible value, in order to expedite test verification.
Prerequisite SP Setup:	Verify that the respective NPA-NXX exists for which you are going to create an Inter-Service Provider Subscription Version.

D. TEST STEPS and EXPECTED RESULTS

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

		2. The SOA sends an M-ACTION subscriptionVersionOldSP-Create to the NPAC SMS.		
3.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself to create the subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionVersionNPAC and issues an M-CREATE Response subscriptionVersionNPAC to itself to set the subscription version status to 'pending' and set the subscriptionOldSP-AuthorizationTimeStamp and subscriptionModifiedTimeStamp to the current date and time.
4.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionOldSP-Create Response to the Old SP SOA indicating the subscription version was successfully created.	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionOldSP-AuthorizationTimeStamp and subscriptionModifiedTimeStamp were set appropriately.
5.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
6.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
7.	NPAC	1. NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation 2. NPAC SMS sets the Initial Concurrence Window timer for this Subscription Version based on the New Service Provider Port-In Timer Type and SP Business Type and the Old Service Provider Port-Out	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.

		Timer Type and SP Business Type settings in their respective Customer Profiles.		
8.	SP	New SP SOA issues M-EVENT-REPORT Confirmation(s) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) from the New SP SOA.
9.	SP	New SP SOA ~~**DOES NOT**~~**does not** respond to the create request.		
10	NPAC	NPAC SMS waits for the tunable amount of time for the Initial Concurrence Window timer during the business hours for the day.	NPAC	The Initial Concurrence Window timer has not expired.
11.	SP	New SP Personnel checks its notifications to see if a NewSP-CreateRequest notification was received from the NPAC SMS.	SP	New SP did not receive a NewSP-CreateRequest notification from the NPAC SMS.
12	NPAC	Using the NPAC OpGUI, NPAC Personnel modify the 'Long Business Days' tunable parameter such that it includes today.	NPAC	The 'Long Business Days' tunable parameter is modified such that it includes today.
13	NPAC	NPAC SMS waits for the tunable amount of time for the Initial Concurrence Window timer during the business hours for the day~~.~~.	NPAC	The Initial Concurrence Window timer expires~~.~~.
14.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-Create Request notification to the New SP SOA.	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
15.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
16.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending' but does not contain any New SP data.
17.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' but does not contain any New SP data~~.~~.
18.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS but does not contain any New SP data.
19.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' but does not contain any New SP data~~.~~.
20.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS but does not contain any New SP data.

A. TEST IDENTITY

Test Case Number:	**5.3**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	NPAC and SOA – NPAC Personnel verify that the Short Business Days tunable parameter is defaulted to Monday through Friday. NPAC Personnel set the Short Business Days tunable parameter to a value that does not include today. Both Old SP Port Out and New SP Port In Timers are set to SHORT. Old SP Personnel submit an SV Create. New SP does not submit his create. After a tunable amount of time the Initial Concurrence Window timer has not expired and the Old SP has not received an OldSP-Create Request notification. NPAC Personnel modify the Short Business Days tunable parameter to a value that does include today. After a tunable amount of time the Initial Concurrence Window timer has expired and the Old SP receives an OldSP-Concurrence Request notification – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 328
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR3-229, RR3-230, RR3-231, RR3-232
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.1, B.5.1.6.5

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider. 2. Verify that the 'Short Business Days' tunable parameter is defaulted to 'Monday through Friday'. 3. Verify that the New and Old Service Provider's 'Business Days' tunable parameter is set to 'SHORT' 4. Verify that for the New Service Provider in this TC, their 'Port-In Timer Type' is set to 'SHORT' in their Customer Profile. 5. Verify that for the Old Service Provider in this TC, their 'Port-Out Timer Type' is set to 'SHORT' in their Customer Profile. 6. Verify that the New and Old Service Provider's 'SP Business Type' is set to 'SHORT' in their Customer Profile. 7. Verify the Initial Concurrence Timer is set to their lowest possible value, in order to expedite test verification.
Prerequisite SP Setup:	Verify that the respective NPA-NXX exists for which you are going to create an Inter-Service Provider Subscription Version.

D. TEST STEPS and EXPECTED RESULTS

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

		2. The SOA sends an M-ACTION subscriptionVersionOldSP-Create to the NPAC SMS.		
3.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself to create the subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionVersionNPAC and issues an M-CREATE Response subscriptionVersionNPAC to itself to set the subscription version status to 'pending' and set the subscriptionOldSP-AuthorizationTimeStamp and subscriptionModifiedTimeStamp to the current date and time.
4.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionOldSP-Create Response to the Old SP SOA indicating the subscription version was successfully created.	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionOldSP-AuthorizationTimeStamp and subscriptionModifiedTimeStamp were set appropriately.
5.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
6.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
7.	NPAC	1. NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation 2. NPAC SMS sets the Initial Concurrence Window timer for this Subscription Version based on the New Service Provider Port-In Timer Type and SP Business Type and the Old Service Provider Port-Out	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.

		Timer Type and SP Business Type settings in their respective Customer Profiles.		
8.	SP	New SP SOA issues M-EVENT-REPORT Confirmation(s) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) from the New SP SOA.
9.	SP	New SP SOA ~~**DOES NOT**~~**does not** respond to the create request.		
10.	NPAC	NPAC SMS waits for the tunable amount of time for the Initial Concurrence Window timer during the business hours for the day.	NPAC	The Initial Concurrence Window timer has not expired.
11.	SP	New SP Personnel checks its notifications to see if a NewSP-CreateRequest notification was received from the NPAC SMS.	SP	New SP did not receive a NewSP-CreateRequest notification from the NPAC SMS.
12	NPAC	Using the NPAC OpGUI, NPAC Personnel modify the 'Short Business Days' tunable parameter such that it includes today.	NPAC	The 'Short Business Days' tunable parameter is modified such that it includes today.
13	NPAC	NPAC SMS waits for the tunable amount of time for the Initial Concurrence Window timer during the business hours for the day..	NPAC	The Initial Concurrence Window timer expires.
14.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-CreateRequest notification to the New SP SOA.	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
15.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
16.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending' but does not contain any New SP data.
17.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' but does not contain any New SP data~~.~~.
18.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS but does not contain any New SP data.
19.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' but does not contain any New SP data~~.~~.
20.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS but does not contain any New SP data.

A. TEST IDENTITY

Test Case Number:	**5.4**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	NPAC and SOA – NPAC Personnel verify that the Short Business Days tunable parameter is defaulted to Monday through Friday. NPAC Personnel set the Short Business Days tunable parameter to a value that does not include today. Both Old SP Port Out and New SP Port In Timers are set to LONG. New SP Personnel submit an SV Create. Old SP does not concur. After a tunable amount of time the Initial Concurrence Window timer has not expired and the Old SP has not received a OldSP-Create Request notification. NPAC Personnel modify the Short Business Days tunable parameter to a value that does include today. After a tunable amount of time the Initial Concurrence Window timer has expired and the Old SP receives an OldSP-Concurrence Request notification – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 328
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR3-229, RR3-230, RR3-231, RR3-232
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.2, B.5.1.6.2

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider. 2. Verify that the 'Short Business Days' tunable parameter is defaulted to 'Monday through Friday'. 3. Verify that the New and Old Service Provider's 'Business Days' tunable parameter is set to 'SHORT'. 4. Verify that for the New Service Provider in this TC, their 'Port-In Timer Type' is set to 'LONG' in their Customer Profile. 5. Verify that for the Old Service Provider in this TC, their 'Port-Out Timer Type' is set to 'LONG' in their Customer Profile. 6. Verify that the New and Old Service Provider's 'SP Business Type' is set to 'SHORT' in their Customer Profile. 7. Verify the Initial Concurrence Timer is set to their lowest possible value, in order to expedite test verification.
Prerequisite SP Setup:	Verify that the respective NPA-NXX exists for which you are going to create an Inter-Service Provider Subscription Version.

D. TEST STEPS and EXPECTED RESULTS

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

		2. The SOA sends an M-ACTION subscriptionVersionNewSP-Create to the NPAC SMS.		
3.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself to create the subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionVersionNPAC and issues an M-CREATE Response subscriptionVersionNPAC to itself to set the subscription version status to 'pending' and set the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time.
4.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionNewSP-Create Response to the New SP SOA indicating the subscription version was successfully created.	SP	New SP SOA receives the M-ACTION subscriptionVersionNewSP-Create Response from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
5.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
6.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
7.	NPAC	1. NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation 2. NPAC SMS sets the Initial Concurrence Window timer for this Subscription Version based on the New Service Provider Port-In Timer Type and SP Business Type and the Old Service Provider Port-Out	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.

		Timer Type and SP Business Type settings in their respective Customer Profiles.		
8.	SP	Old SP SOA issues M-EVENT-REPORT Confirmation(s) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) from the Old SP SOA.
9.	SP	Old SP SOA ~~**DOES NOT**~~**does not** respond to the create request.		
10.	NPAC	NPAC SMS waits for the tunable amount of time for the Initial Concurrence Window timer during the business hours for the day.	NPAC	The Initial Concurrence Window timer has not expired.
11.	SP	Old SP Personnel checks its notifications to see if an OldSP-ConcurrenceRequest notification was received from the NPAC SMS.	SP	Old SP did not receive an OldSP-ConcurrenceRequest notification from the NPAC SMS.
12	NPAC	Using the NPAC OpGUI, NPAC Personnel modify the 'Short Business Days' tunable parameter such that it includes today.	NPAC	The 'Short Business Days' tunable parameter is modified such that it includes today.
13	NPAC	NPAC SMS waits for the tunable amount of time for the Initial Concurrence Window timer during the business hours for the day..	NPAC	The Initial Concurrence Window timer expires~~.~~.
14.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionOldSP-ConcurrenceRequest notification to the Old SP SOA.	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
15.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
16.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending' but does not contain any Old SP data.
17.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' but does not contain any Old SP data~~.~~.
18.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS but does not contain any Old SP data.
19.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' but does not contain any Old SP data~~.~~.
20.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS but does not contain any Old SP data.

6. NANC 329 – Prioritization for SOA Notifications

Important information for this section of test cases: ***The priority assigned to messages will affect the order that the NPAC SMS attempts to send them. The NPAC SMS groups outbound messages in blocks of 100 and once dispatched the priority is not evaluated again until all 100 messages are sent.***

A. TEST IDENTITY

Test Case Number:	**6.1**	**SUT Priority:**	**SOA**	R
			LSMS	N/A
Objective:	NPAC and SOA – NPAC Personnel verify the 'SOA Notification Priority' tunable parameter default values for the Service Provider under test (New SP) are set to MEDIUM. New Service Provider Personnel requests NPAC Personnel to modify several of his 'SOA Notification Priority' tunable parameter values to NONE then perform activities that would normally result in the NPAC SMS generating the notifications that have been given priorities of NONE. Service Provider verifies that he does not receive notifications. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 329
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR3-245, RR3-246, RR3-248, RR3-249, RR3-250, RR3-247, RR3-252, R4-8
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.1, B.5.1.1.1, B.5.3.1, B.5.4.1, B.5.4.1.1, B.5.1.5

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Customer TN Range Notification Indicator is set to production values for both the Old and the New Service Providers. 2. Verify that all 'SOA Notification Priority' tunable parameters for the Old Service Provider are defaulted to MEDIUM. 3. Verify that all 'SOA Notification Priority' tunable parameters for the Service Provider under test are defaulted to MEDIUM except for the ones listed in Step 3. 4. Set the following 'SOA Notification Priority' tunable parameters to NONE for the Service Provider under test (New SP): • Subscription Version New NPA-NXX Notification (L-8.0) • Subscription Version Object Creation (S-1.00) • Subscription Version Status Attribute Value Change – cancel-pending (L-11.0 G) • Subscription Version Status Attribute Value Change Notification – Activates – To the New Service Provider (L-11.0 A1) • Subscription Version Status Attribute Value Change Notification – set to OLD (L-11.0 E)
Prerequisite SP Setup:	1. Verify that there exists a 'pending' subscription version that can be activated (SV1). 2. Verify that there exists a 'pending' subscription version to which the Old and New SPs have both done their creates (SV2). 3. Verify that there exists an 'active' subscription version that can be disconnected (SV3).

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result

1.	SP	1. Using the SOA, New SP Personnel submit a First Port Inter-Service Provider subscription version Create request to the NPAC SMS (SV4). 2. The SOA sends an M-ACTION subscriptionVersionNewSP-Create to the NPAC SMS.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request from the New SP SOA and verifies that each attribute specified is valid according to system requirements.
3.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself to create the subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionVersionNPAC and issues an M-CREATE Response subscriptionVersionNPAC to itself to set the subscription version status to 'pending' and set the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time.
4.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionNewSP-Create Response to the New SP SOA indicating the subscription version was successfully created.	SP	New SP SOA receives the M-ACTION subscriptionVersionNewSP-Create Response from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
5.	NPAC	NPAC SMS **does not** issue an M-EVENT-REPORT objectCreation to the New SP.	SP	New SP SOA **does not** receive an M-EVENT-REPORT objectCreation from the NPAC SMS.
6.	NPAC	NPAC SMS issues and M-EVENT-REPORT to the Old SP SOA based on its Customer TN Range Notification Indicator. • If the setting is TRUE, NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification. • If the setting is FALSE, NPAC SMS issues an M-EVENT-REPORT objectCreation notification.	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
7.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
8.	NPAC	Since this is a First Port in the NPA-NXX, NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewNPA-NXX to all LSMSs that are accepting downloads for the NPA-NXX	SP	LSMSs that are accepting downloads for the NPA-NXX receive the M-EVENT-REPORT subscriptionVersionNewNPA-NXX and respond to the NPAC SMS with an M-EVENT-REPORT Confirmation
9.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewNPA-NXX to the Old SP SOA.	SP	Old SP SOA receives the M-EVENT-REPORT subscriptionVersionNewNPA-NXX from the NPAC SMS.
10.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
11.	NPAC	NPAC SMS **does not** issue an M-EVENT-REPORT subscriptionVersionNewNPA-NXX	NPAC	New SP SOA **does not** receive an M-EVENT-REPORT subscriptionVersionNewNPA-NXX from the NPAC SMS.

		to the New SP SOA.		
12.	NPAC	On behalf of the Old SP, NPAC Personnel submit a cancel request for the subscription version referenced in step 2 of the Prerequisite SP Setup above (SV2).	NPAC	NPAC SMS receives the cancellation request, determines that the request is valid and sets the subscription version status to 'cancel-pending'.
13.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification with the subscription version status = 'cancel-pending'. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification with the subscription version status = 'cancel-pending'.	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
14.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
15.	NPAC	NPAC SMS **does not** send an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange with the 'cancel-pending' status to the New SP.	SP	New SP SOA **does not** receive an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange from the NPAC SMS.
16.	SP	1. Using the SOA, New SP Personnel submit an activate request for the subscription version referenced in step 1 of the Prerequisite SP Setup above (SV1). 2. The SOA sends an M-ACTION subscriptionVersionActivate request to the NPAC SMS.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionActivate from the New SP SOA, verifies that the request is valid and responds to the New SP SOA with an M-ACTION response.
17.	NPAC	NPAC SMS issues an M-CREATE subscriptionVersion to all LSMSs that are accepting downloads for the NPA-NXX.	SP	All LSMSs that are accepting downloads for the NPA-NXX receive the M-CREATE subscriptionVersion and respond to the NPAC SMS with an M-CREATE Confirmation.
18.	NPAC	Once the NPAC SMS receives a successful response from all LSMSs that are accepting downloads for the NPA-NXX it sends an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.

		subscriptionVersionRangeStatusAttributeValueChange notification with the subscription version status = 'active'. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification with the subscription version status = 'active'.		
19	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
20.	NPAC	NPAC SMS but **does not** send an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification to the New SP SOA.	SP	New SP SOA **does not** receive an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange from the NPAC SMS and still shows the subscription version with a status of 'pending'.
21.	SP	1. Using the SOA, New SP Personnel submit a disconnect request for the subscription version referenced in step 3 of the Prerequisite SP Setup above (SV3). 2. The SOA sends an M-ACTION subscriptionVersionDisconnect request to the NPAC SMS.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionDisconnect from the New SP SOA, verifies that the request is valid and responds to the New SP SOA with an M-ACTION response.
22.	NPAC	After internal process is complete NPAC SMS issues an M-EVENT-REPORT to the Donor SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeDonorSP-CustomerDisconnectDate. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionDonorSP-CustomerDisconnectDate.	SP	Donor SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
23.	SP	Donor SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Donor SP SOA.
24.	NPAC	NPAC SMS issues an M-DELETE subscriptionVersion to all LSMSs that are accepting downloads for the NPA-NXX.	SP	All LSMSs that are accepting downloads for the NPA-NXX receive the M-DELETE subscriptionVersion and respond to the NPAC SMS with an M-DELETE Confirmation.
25.	NPAC	Once the NPAC SMS receives a successful response from all LSMSs that are accepting downloads for the NPA-NXX it sets the subscription version status to 'old' but **does not**	SP	New SP SOA **does not** receive an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange from the NPAC SMS and still shows the subscription version with a status of 'active'.

		send an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange to the New SP SOA.		

A. TEST IDENTITY

Test Case Number:	**6.2**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – New Service Provider Personnel verify that they received the notifications according to their SOA Notification Priority settings. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 329
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR3-251, RR3-253
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Customer TN Range Notification Indicator is set to FALSE for the Service Provider under test (New SP). 2. Verify that all 'SOA Notification Priority' tunable parameters for the Service Provider under test (New SP) are defaulted to MEDIUM except for the ones listed in Step 3. 3. Set the following 'SOA Notification Priority' tunable parameters to the values indicated for the Service Provider under test (New SP): • Subscription Version Object Creation = HIGH (S-1.00) • Subscription Version Status Attribute Value Change Notification – Activates – To the New Service Provider = LOW (L-11.0 A)
Prerequisite SP Setup:	1. Create 5000 'pending' subscription versions and have them ready to modify (SV1). 2. Create one 'pending' subscription version and have it ready to activate (SV2).

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, New SP Personnel perform the following activities in the order listed and as quickly as possible and submit to the NPAC SMS: • Modify the 5000 subscription versions (SV1) listed in Item 1 of the Prerequisite SP Setup (will result in Attribute Value Change notifications (S-3.00 A)). • Activate the one subscription version (SV2) listed in Item 2 of the Prerequisite SP Setup (will result in Subscription Version Status Attribute Value Change – Activates – to the New Service Provider notifications (L-11.0 A1)). • Create a new 'pending'	NPAC	NPAC SMS receives, validates, and processes each request in the order it is received.

		subscription version (will result in Object Creation notification (S-1.00)).		
2.	NPAC	NPAC SMS generates the appropriate notifications and sends them to the New SP SOA.	SP	New SP SOA receives all notifications from the NPAC SMS.
3.	NPAC	NPAC Personnel verify that all notifications were sent to the New SP SOA according to the priorities that were set for the respective notifications.	NPAC	All notifications were sent according to the priorities that were set for the respective notifications.
4.	SP	New SP Personnel verify that all notifications were received according to the priorities that were set for the respective notifications.	SP	All notifications were received according to the priorities that were set for the respective notifications. **Note:** There is ~~significant~~significant timing involved in this test case. By modifying the 5000 'pending' subscription versions with the Customer TN Range Notification Indicator set to FALSE, enough notifications should be generated to force a queue at the NPAC SMS which will, in turn, utilitize the SOA Notification Priority settings. Based on the New SP settings in the Prerequisite NPAC Setup, the New SP SOA should receive the M-EVENT-REPORT objectCreation notification (S-1.00) resulting from the SV Create before it receives all of its M-EVENT-REPORT attributeValueChange notifications (S-3.00 A) resulting from the SV Modifies and it should receive the M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification (L-11.0 A1) resulting from the SV Activate last.

A. TEST IDENTITY

Test Case Number:	**6.3**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Old Service Provider Personnel verify that they received the notifications according to their SOA Notification Priority settings. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 329
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR3-251, RR3-253
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Customer TN Range Notification Indicator is set to FALSE for the Service Provider under test (Old SP). 2. Verify that all 'SOA Notification Priority' tunable parameters for the Service Provider under test (Old SP) are defaulted to MEDIUM except for the ones listed below: • Subscription Version Object Creation = LOW (S-1.00) • Attribute Value Change = HIGH (S-3.00 A)
Prerequisite SP Setup:	1. Create one 'pending' subscription version and have them ready to modify (SV1). No create from the New SP. 2. Create one 'pending' subscription version and have it ready to cancel (SV2). No create from the New SP.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, New SP Personnel perform the following activities in the order listed and as quickly as possible and submit to the NPAC SMS: • Create 5000 subscription versions (will result in Object Creation notification (S-1.00)). • Modify the due date on the subscription version (SV1) listed in Item 1 of the Prerequisite SP Setup (will result in Attribute Value Change notification (S-3.00 A)). • Cancel the subscription version (SV2) listed in Item 2 of the Prerequisite SP Setup (will result in Subscription Version Status Attribute Value Change – cancel notification (L-11.0 H3)).	NPAC	NPAC SMS receives, validates, and processes each request in the order it is received.

2.	NPAC	NPAC SMS generates the appropriate notifications and sends them to the Old SP SOA.	SP	Old SP SOA receives all notifications from the NPAC SMS.
3.	NPAC	NPAC Personnel verify that all notifications were sent to the Old SP SOA according to the priorities that were set for the respective notifications.	NPAC	All notifications were sent according to the priorities that were set for the respective notifications.
4.	SP	Old SP Personnel verify that all notifications were received according to the priorities that were set for the respective notifications.	SP	All notifications were received according to the priorities that were set for the respective notifications. **Note:** There is ~~siginificant~~significant timing involved in this test case. By creating the 5000 subscription versions with the Customer TN Range Notification Indicator set to FALSE, enough notifications should be generated to force a queue at the NPAC SMS which will, in turn, utilitize the SOA Notification Priority settings. Based on the Old SP settings in the Prerequisite NPAC Setup, the Old SP SOA should receive the M-EVENT-REPORT attributeValueChange notification resulting from the SV Modify and the subscriptionVersionStatusAttributeValueChange notifications resulting from the SV Cancel before it receives all of its M-EVENT-REPORT objectCreation notifications resulting from the SV Creates.

A. TEST IDENTITY

Test Case Number:	**6.4**	**SUT Priority:**	**SOA**	R
			LSMS	N/A
Objective:	NPAC and SOA – Service Provider Personnel send a large number of requests to the NPAC that would result in the NPAC SMS generating notifications with multiple priorities for the Service Provider. The Service Provider then aborts their association before receiving the notifications. After sufficient time has passed for the NPAC SMS to generate all the notifications resulting from the requests the Service Provider re-associates to the NPAC and recovers the missed notifications. Service Provider Personnel verify that they recovered the notifications in order of priority and in the correct format. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 329
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR6-83, RR6-30
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.7.2

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that all 'SOA Notification Priority' tunable parameters for the Service Provider under test are defaulted to MEDIUM. 2. Verify that the Service Provider's 'Customer TN Range Notification Indicator' is set to FALSE so that their SOA will receive SOA Notifications on a TN basis. 3. Create and Activate 500 subscriptions for which the Service Provider under test is the Donor SP. 4. Create two NPA-NXX-Xs for the Service Provider under test and have the associated Number Pool Blocks ready to be activated. 5. After the Service Provider under test has performed the activities listed in the Prerequisite SP Setup and NPAC SMS has processed all the requests, set the following 'SOA Notification Priority' tunable parameters to the values indicated for the Service Provider under test: • Object Creation = HIGH (S-1.00 • Subscription Version Cancellation Acknowledge Request = MEDIUM (L-4.0 A) • Subscription Version Status Attribute Value Change Notification – Activates – To the New Service Provider = MEDIUM (L-11.0 A1) • Subscription Version Status Attribute Value Change Notification – set to OLD = HIGH (L-11.0 E) • Subscription Version Status Attribute Value Change Notification – Activates – To the Old Service Provider = MEDIUM (L-11.0 A1.5) • Subscription Version – Donor SP – Customer Disconnect Date Notification – LOW (L-6.0) • Number Pool Block Status Attribute Value Change Notification – HIGH (L13.0 A)
Prerequisite SP Setup:	Before the NPAC Test Engineer modifies your 'SOA Notification Priority' tunable parameters as listed above perform the following activities: 1. Create 500 subscription versions and have them ready to be activated. 2. Create 500 subscription versions to which the Old SP has concurred and have them ready to be cancelled by the Old Service Provider. 3. Create and Activate 500 subscription versions and have them ready to be disconnected.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC & SP	NPAC and SP Personnel perform the following activities simultaneously and in the order listed Using the SOA, Service Provider Personnel: • Create 1000 subscription versions for which you are the New SP (will generate Subscription Version Object Create Notifications) • Activate the 500 subscription versions listed in Item 1 of the Prerequisite SP Setup (will generate Subscription Version Status Attribute Value Change– Activates – To the New Service Provider Notifications) • Disconnect the 500 subscription versions listed in Item 3 of the Prerequisite SP Setup Setup (will generate Subscription Version Status Attribute Value Change – set to OLD Notifications) • Abort your SOA association Using the NPAC OpGUI, NPAC Personnel: • On behalf of the New SP, disconnect the 500 subscription versions listed in Item 3 of the Prerequisite NPAC Setup (will generate Subscription Version – Donor SP – Customer Disconnect Date Notifications) • Activate the 2 Number Pool Blocks listed in Item 4 of the Prerequisite NPAC Setup (will generate Number Pool Block Status Attribute Value Change Notifications) • On behalf of the Old SP, cancel the 500 subscription versions listed in Item 3 of the Prerequisite SP Setup (will generate Subscription Version Cancellation Acknowledge Notifications).	NPAC	NPAC receives, validates, and starts processing all requests.
2.	NPAC	NPAC SMS generates the appropriate notifications and attempts to send them to the New SP SOA.	SP	New SP SOA association is down so the notifications are queued at the NPAC SMS.
3.	NPAC	NPAC SMS waits for concurrence from the New SP SOA for the range	NPAC	New SP SOA does not respond to the cancel request and the Cancellation – Initial Concurrence Window tunable expires.

		of TNs that was cancelled by the Old SP (3rd bullet item in the NPAC Personnel activities listed in Row 1 above).		
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionCancellationAcknowledgeRequest notifications to the New SP SOA.		
5.	SP	Using the SOA, SP Personnel send a bind request to the NPAC SMS with their recovery flag set to TRUE.	NPAC	NPAC SMS accepts the bind request, association is established and recovery of missed notifications commences.
6.	NPAC	NPAC Personnel verify that all notifications were sent to the Service Provider under test according to the priorities that were set for the respective notifications.	NPAC	All notifications were sent according to the priorities that were set for the respective notifications.
7.	SP	SP Personnel verify that all notifications were received according to the priorities that were set for the respective notifications.	SP	All notifications were received according to the priorities that were set for the respective notifications. **Note:** During recovery Service Providers recover messages in the order that the NPAC SMS attempted to send them. The priority that is assigned to the messages will affect the order that the NPAC SMS attempts to send them. The NPAC SMS will group outbound messages in blocks of 100 and once dispatched the priority is not evaluated again until all 100 messages are sent.

7. Test Cases for Group Testing

The group testing for the NPAC Release 3.1 software will be conducted slightly different than for previous releases. It is the desire of the service providers to emulate what actually happens in production. Each service provider will execute the test cases that follow individually but all service providers will execute them simultaneously unless otherwise indicated. Each service provider will proceed through the test cases as quickly as possible. The objective is to have a lot of different activities happening at the same time. Service Providers should have their Service Provider Profile flags set to production values.

A. TEST IDENTITY

Test Case Number:	**7.1**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA - Old SP Personnel create a range of Inter-Service Provider subscription versions. Their Customer TN Range Notification Indicator is set to the value they will use in production. New SP does not submit their create request. Initial and Final Concurrence Windows Expire. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR3-237, RR3-239, RR5-113, RR5-115, R4-8
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.1, B.5.1.6.4, B.5.1.6.5

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to production value for the Service Providers under test. 2. Verify that the Customer TN Range Notification Indicator is set to production value for the ~~Old~~ Service Providers under test. 3. Verify that the SOA Notification Priority tunable parameters are set to production values for the ~~Old~~ Service Providers under test.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC for a range of at least three consecutive TNs. 2. The SOA sends an M-ACTION subscriptionVersionOldSP-Create to the NPAC for the range of TNs they wish to create.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.
2.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC	NPAC	NPAC SMS receives each M-CREATE Request subscriptionVersionNPAC for each TN in the range and issues

		to itself for each TN in the range to create the respective subscription versions on the NPAC SMS.		an M-CREATE Response subscriptionVersionNPAC to itself for each TN to set the subscription versions status to 'pending' and set the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time for each subscription version.
3.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionOldSP-Create Response to the Old SP SOA indicating the subscription versions were successfully created.	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response from the NPAC SMS indicating the subscription versions were successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
4	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification for the range of 3 TNs. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation notification for each TN in the range.	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
5	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
6	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification for the range of 3 TNs. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation notification for each TN in the range.	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
8.	NPAC	NPAC Personnel perform a query for the range of subscription versions created in this test case.	NPAC	The subscription versions exist with a status of 'pending'.
9.	SP –	Via their SOA, Old SP Personnel	SP	The subscription versions exist with a status of 'pending'.

	Optional	perform a local query for the subscription versions created during this test case.		
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.
11.	NPAC	NPAC SMS waits for concurrence from the New SP for the range of TNs the Old SP created.	SP	New SP SOA ~~**DOES NOT**~~**does not** respond to the create request and the Service Provider Concurrence Window tunable expires.
12.	NPAC	Once the Initial Concurrence Window has expired, the NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-CreateRequest notification for the range of TNs. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-CreateRequest notification for each TN in the range.	SP	New SP SOA receives the M-EVENT-REPORT(s) from the NPAC SMS.
13.	SP	New SP SOA issues M-EVENT-REPORT Confirmation(s) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) from the New SP SOA.
14.	NPAC	NPAC SMS waits for concurrence from the New SP for the range of TN's the Old SP created.	SP	New SP SOA ~~**DOES NOT**~~**does not** respond to the create request and the Final Concurrence Window expires.
15.	NPAC	Once the Final Concurrence Window has expired, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration to the Old SP SOA according to their Final Create Window Expiration Notification.Indicator. • If the setting is TRUE, they will receive the notification. • If the setting is FALSE, no notification is sent.	SP	Old SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration notification from the NPAC SMS according to their Final Create Window Expiration Notification Indicator.
16.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
17.	NPAC	• If the Final Create Window	SP	New SP SOA receives the M-EVENT-REPORT(s) from the

		Expiration Notification Indicator is set to TRUE, NPAC SMS issues and M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRange NewSP-FinalCreateWindowExpiration notification for the range of TNs. • If the setting is FALSE, NPAC SMS issues a subscriptionVersionNewSP-FinalCreateWindowExpiration notification for each TN in the range. • If the Final Create Window Expiration Notification Indicator is set to FALSE, the NPAC SMS does not send the notification to the New SP SOA.		NPAC SMS according to the setting of their Final Create Window Expiration Notification Indicator.
18.	SP	New SP SOA issues M-EVENT-REPORT Confirmation(s) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) from the New SP SOA.
19.	NPAC	NPAC Personnel perform a query for the range of subscription versions created in this test case.	NPAC	The subscription versions exist with a status of 'pending'.
20.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending'.
21.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**7.2**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider Personnel activate a range of 1000 Inter-Service Provider subscription versions. Their Customer TN Range Notification Indicator is set to production value. In the pre-requisite create process the range is submitted as two smaller ranges, each with unique DPC/SSN data but the TNs used in the ranges are contiguous and the SVIDs assigned by the NPAC SMS are contiguous. The activate request is submitted as one range. At least one LSMS does not respond to the activate request, resulting in a partial failure. The re-send is successful. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-116, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.5, B.5.1.6

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to production value for the Service Providers under test. 2. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE for the Service Providers under test. 3. Verify that the SOA Notification Priority tunable parameters are set production values for the ~~New~~ Service Providers under test. 4. Verify that 1000 consecutive subscription versions exist with a status of 'pending' for the New SP under test. The first 500 TNs should have one set of DPC/SSN data and the second set of TNs should have another unique set of DPC/SSN data. The SVIDs should be consecutive for all 1000 TNs. 5. Verify that 'active' subscription versions do not currently exist for the range of 1000 TNs to be used in this Test Case. 6. Verify that the Old SP has concurred or the Concurrence Window for receiving the Old SP Create for the subscription versions to be activated during this test case has expired. 7. Verify that that Due Date has been reached for activating these subscription versions. 8. Verify that system setup and filters are set such that at least one LSMS in the region does not respond to the activate request.
Prerequisite SP Setup:	1. Create one range of 500 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPC/SSN data. 2. Immediately create another range of 500 Inter-Service Provider subscription versions using the next 500 consecutive non-ported TNs with another unique set of DPC/SSN data. For example, create 1000-1499 with one set of DPC/SSN data and then 1500-1999 with another set of DPC/SSN data. 3. Verify that the SVIDs are consecutive for the full 1000 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC SMS to activate a range of 1000 Inter-Service	NPAC	NPAC SMS receives the M-ACTION Request from the New SP SOA.

		Provider subscription versions. Specify the range of 1000 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionActivate Request to the NPAC SMS and specifies the range of TNs.		
2.	NPAC	NPAC SMS locates the respective subscription versions and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'sending' and set the subscriptionVersionActivationTime Stamp and subscriptionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionBroadcastTimeStamp to the current date and time for all TNs in the range.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
5.	NPAC	NPAC SMS issues two M-CREATE Requests subscriptionVersion to all LSMSs in the region accepting downloads for this NPA-NXX. One M-CREATE Request is sent for the first 500 TNs with one set of DPC/SSN data and another M-CREATE Request is sent for the next range of 500 TNs with a different set of DPC/SSN data.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-CREATE Requests. 2. At least one LSMSs in the region issue respective M-CREATE Responses to the NPAC SMS. One for the first 500 TNs and one set of DPC/SSN data and one for the second set of 500 TNs and another set of DPC/SSN data. 3. At least one LSMSs does not respond to the NPAC SMS.
6.	NPAC	NPAC SMS issues M-EVENT-REPORTs to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for the first set of 500 TNs and a second M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for the second set of 500 TNs indicating that the subscription versions status is 'partial-failed' and the Failed	SP	Old SP SOA receives the M-EVENT-REPORTs from the NPAC SMS according to their Customer TN Range Notification Indicator.

		SP-List contains a list of the LSMSs that did not respond to the activate request. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification for each TN in the range of 1000 that the subscription version status is 'partial-failed' and the Failed SP-List contains a list of the LSMSs that did not respond to the activate request.		
7.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmations to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations from the Old SP SOA.
8.	NPAC	NPAC SMS issues M-EVENT-REPORTs to the New SP SOA based on their Customer TN Notification Indicator. • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for the first set of 500 TNs and a second M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for the second set of 500 TNs indicating that the subscription versions status is 'partial-failed' and the Failed SP-List contains a list of the LSMSs that did not respond to the activate request. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification for each TN in the range of 1000 that the subscription version status is 'partial-failed' and the Failed SP-List contains a list of the LSMSs that did not respond to the activate request.	SP	New SP SOA receives the M-EVENT-REPORTs from the NPAC SMS according to their Customer TN Range Notification Indicator.
9.	SP	New SP SOA issues M-EVENT-REPORT Confirmations to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations
10.	NPAC	NPAC Personnel perform a query for the range of subscription versions activated in this test case.	NPAC	The subscription versions exist with a status of 'partial-failed' and a FailedSP-List.
11.	SP –	Via their SOA &/or LSMS, New SP	SP	1. On the SOA, the subscription versions exist with a status of

	Optional	Personnel perform a local query for the subscription versions activated during this test case.		'partial-failed' and a Failed SP List. 2. On the LSMS, the subscription versions exist with a status of 'active'.
12.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions activated during this test case.	SP	The subscription versions exist with a status of 'partial-failed' and a Failed SP List on the NPAC SMS.
13.	NPAC	Using the NPAC OpGUI, NPAC Personnel issue a re-send to the LSMSs listed in the Failed SP-List for the range of TNs		
14.	NPAC	NPAC SMSissues an M-CREATE Request to each LSMS that previously failed and is accepting downloads for the NPA-NXX of the subscription versions.	SP	1. All LSMSs receive the M-CREATE Request and verify that the requests are valid. 2. All LSMSs issue M-CREATE Responses to the NPAC SMS. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version create on the local system as specified in the requests from the NPAC SMS.
15.	NPAC	NPAC SMS issues M-EVENT-REPORTs to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for the first set of 500 TNs and a second M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for the second set of 500 TNs indicating that the subscription versions status is 'active'. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification for each TN in the range of 1000 that the subscription version status is 'active'.	SP	Old SP SOA receives the M-EVENT-REPORTs from the NPAC SMS according to their Customer TN Range Notification Indicator.
16.	SP	Old SP SOA issues M-EVENT-REPORT Confirmations to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations from the Old SP SOA.
17.	NPAC	NPAC SMS issues M-EVENT-REPORTs to the New SP SOA based on their Customer TN Notification Indicator. • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange	SP	New SP SOA receives the M-EVENT-REPORTs from the NPAC SMS according to their Customer TN Range Notification Indicator.

		notification for the first set of 500 TNs and a second M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for the second set of 500 TNs indicating that the subscription versions status is 'active'. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification for each TN in the range of 1000 that the subscription version status is 'active'.		
18.	SP	New SP SOA issues M-EVENT-REPORT Confirmations to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations.
19.	NPAC	NPAC Personnel perform a query for the range of subscription versions activated in this test case.	NPAC	The subscription versions exist with a status of 'active'.
20.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions activated during this test case.	SP	1. On the SOA, the subscription versions exist with an empty Failed SP List. 2. On the LSMS, the subscription versions exist with a status of 'active'.
21.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions activated during this test case.	SP	The subscription versions exist with a status of 'active' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**7.3**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider Personnel activate a range of 500 SVs. Their Customer TN Range Notification Indicator is set to production value. In the prerequisite SV create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The activate request is submitted as one range. The activate request results in one notification containing a list of the SVIDs. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-116, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B5.1.6

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to production value for the Service Providers under test. 2. Verify that the New SP Customer TN Range Notification Indicator is set to production value for the Service Providers under test.. 3. Verify that the SOA Notification Priority tunable parameters are set to production values for the ~~New~~ Service Providers under test. 4. Verify that 500 consecutive subscription versions exist with a status of 'pending' for the New SP under test. All 500 TNs should have one set of DPC/SSN data. The SVIDs should NOT be consecutive for all 500 TNs. The first 250 TNs in the range should be consecutive and then there should be a break between the SVIDs in the next 250 TNs. 5. Verify that 'active' subscription versions do not currently exist for the range of 500 TNs to be used in this Test Case. 6. Verify that the Old SP has concurred or the Concurrence Window for receiving the Old SP Create for the subscription versions to be activated during this test case has expired. 7. Verify that that Due Date has been reached for activating these subscription versions. 8. Verify that system setup and filters are set such that the subscription versions can be successfully activated.
Prerequisite SP Setup:	1. Create one range of 250 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPC/SSN data. 2. Perform some other subscription version functions for other TNs that are not part of the range used in this test case to cause a break in SVIDs. 3. Create another range of 250 Inter-Service Provider subscription versions using the next 250 consecutive non-ported TNs using the same set of DPC/SSN data as the first 250 TNs. For example, create 1000-1249, then perform other subscription version activities to TNs outside of the consecutive 500 TNs to be used in this test case, then create 1250-1499 with the same set of DPC/SSN data as was used for TNs 1000-1249. 4. Verify that the SVIDs are NOT consecutive for the full 500 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP	NPAC	NPAC SMS receives the M-ACTION Request from the New SP

		Personnel submit a request to the NPAC to activate a range of 500 Inter-Service Provider subscription versions. Specify the range of 500 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionActivate Request to the NPAC SMS and specifies the range of TNs.		SOA.
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'sending' and set the subscriptionVersionActivationTime Stamp and subscriptionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionBroadcastTimeStamp to the current date and time for all TNs in the range.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
5.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersion to all LSMSs in the region accepting downloads for this NPA-NXX. .	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-CREATE Request and verify that the request is valid. **2.** All LSMSs in the region issue an M-CREATE Response back to the NPAC. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version create on the local system as specified in the requests from the NPAC SMS.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for the 500 TNs containing a list of the SVIDs and indicating their subscription version status is now 'active'. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttrib	SP	The Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

		uteValueChange for each TN in the range of 500 indicating the status is 'active'.		
7.	SP	Old SP SOA issues M-EVENT-REPORT Confirmations to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations from the Old SP SOA
8.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for the 500 TNs containing a list of the SVIDs and indicating their subscription version status is now 'active'. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for each TN in the range of 500 indicating the status is 'active'.	SP	New SP SOA receives the M-EVENT-REPORT(s) from the NPAC SMS.
9.	SP	New SP SOA issues M-EVENT-REPORT Confirmation(s) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s).
10.	NPAC	NPAC Personnel perform a query for the range of subscription versions activated in this test case.	NPAC	The subscription versions exist with a status of 'active'.
11.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions activated during this test case.	SP	1. On the SOA, the subscription version exists with an empty Failed SP List. 2. On the LSMS, the subscription version exists with a status of 'active'.
12.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions activated during this test case.	SP	The subscription versions exist with a status of 'active' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**7.4**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider Personnel perform an immediate disconnect of a range of 500 active SVs. Their Customer TN Range Notification Indicator is set to production value. In the pre-requisite SV create process the range was submitted as two smaller range creates, each with the same feature data and, the SVIDs are contiguous within each range create. The immediate disconnect request is submitted as one range. The immediate disconnect request results in one notification containing a list of the SVIDs. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-116, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.4.1, B.5.4.1.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to production value for the Service Providers under test. 2. Verify that the New SP Customer TN Range Notification Indicator is set to production value for the Service Providers under test. 3. Verify that the SOA Notification Priority tunable parameters are set to production values for the ~~New~~ Service Providers under test. 4. Verify that 500 subscription versions exist with a status of 'active' for the New SP under test. All 500 TNs should have one set of DPC/SSN data. The SVIDs should NOT be consecutive for all 500 TNs. The first 250 TNs in the range should have consecutive SVIDs, then there should be a break in the SVIDs and the second 250 TNs should be consecutive.
Prerequisite SP Setup:	1. Create one range of 250 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPS/SSN data. 2. Perform some other subscription version functions for other TNs that are not part of the TN range being used in this test case to cause a break in SVIDS. 3. Create another range of 250 Inter-Service Provider subscription versions using the next 250 consecutive non-ported TNs, with the same DPC/SSN data as in the previous range. 4. Activate all 500 of these TNs 5. Verify that the SVIDs are NOT consecutive for the full 500 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC SMS to disconnect a range of 500 active subscription versions. Specify the range of 500 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION Request subscriptionVersionDisconnect	NPAC	NPAC SMS receives the M-ACTION Request from the New SP SOA.

		to the NPAC SMS and specifies the range of TNs and the current date.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'disconnect-pending' for each TN in the range.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionCustomerDisconnectDate and subscriptionBroadcastTimeStamp to the current date and time for all TNs in the range.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
5.	NPAC	NPAC SMS issues an M-EVENT REPORT to the Donor SP based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeDonorSP-CustomerDisconnectDate for the 500 TNs containing the disconnect date and a list of SVIDs. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionDonorSP-CustomerDisconnectDate for each TN in the range of 500 indicating the disconnect date.	SP	Donor SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
6.	NPAC	NPAC SMS issues two M-DELETE Requests subscriptionVersion to all LSMSs in the region accepting downloads for this NPA-NXX. One M-DELETE Request is sent for the first 250 TNs, and another M-DELETE Request is sent for the next contiguous range of 250 since there is a break in the SVID sequence between the first and second sets of TNs.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-DELETE Requests and verify that the requests are valid. 2. All LSMSs in the region issue M-DELETE Responses back to the NPAC. One for the first 250 TNs and another for the second set of 250 TNs due to the break in the SVID sequence between the two ranges of TNs. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version delete on the local system as specified in the requests from the NPAC SMS.
7.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'old' and set the subscriptionModifiedTimeStamp	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.

		and subscriptionDisconnectCompleteTimeStamp to the current date and time for all TNs in the range.		
8.	NPAC	NPAC SMS issues one M-EVENT-REPORT based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for the 500 TNs containing a list of the SVIDs and indicating their subscription version status is now 'old'. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for each of the 500 TNs indicating their subscription version status is now 'old'.	SP	New SP SOA receives the M-EVENT-REPORT(s) from the NPAC SMS.
9.	SP	New SP SOA issues one M-EVENT-REPORT Confirmation to the NPAC SMS for the set of 500 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.
10.	NPAC	NPAC Personnel perform a query for the range of subscription versions disconnected in this test case.	NPAC	The subscription versions exist with a status of 'old'.
11.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions disconnected during this test case.	SP	1. On the SOA, the subscription versions are not found or they exist with a status of 'old'. 2. On the LSMS, the subscription versions no longer exist.
12.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions disconnected during this test case.	SP	The subscription versions exist with a status of 'old' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**7.5**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Current Service Provider Personnel issue a deferred disconnect for a range of 100 'active' subscription versions. Their Customer TN Range Notification Indicator is set to ~~TRUE~~production value. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The deferred disconnect request is submitted as one range. The disconnect-pending request results in one notification containing a list of the SVIDs. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR5-115, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.4.2

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to production value for the Service Providers under test. 2. Verify that the New SP Customer TN Range Notification Indicator is set to production value for the Service Providers under test. 3. Verify that the SOA Notification Priority tunable parameters are set to production values for the ~~New~~ Service Providers under test. 4. Verify that subscription versions exist for the 100 TNs with a status of 'active' where the current SP is the SP under test. All 100 TNs should have one set of DPC/SSN data. The SVIDs should NOT be consecutive for all 100 TNs.
Prerequisite SP Setup:	1. Create one range of 50 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPC/SSN data. For example, create 1000-1049 with one set of DPC/SSN data. 2. Perform some other subscription version functions for other TNs that are not part of the TN range being used in this test case to cause a break in SVIDs. 3. Create another range of 50 InterService Provider subscription versions using the next 50 consecutive non-ported TNs, with the same DPC/SSN data as in the previous range. For example, create 1050-1099 with one set of DPC/SSN data. 4. Activate all 100 of these TNs. 5. Verify that the SVIDs are NOT consecutive for the full 100 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Current SP Personnel submit a request to the NPAC SMS for a deferred disconnect a range of 100 Inter-Service Provider subscription versions. Specify the range of 1000 consecutive TNs described in the prerequisites	NPAC	NPAC SMS receives the M-ACTION Request from the Current SP SOA.

		above and use an effective date of tomorrow. 2. The SOA issues an M-ACTION subscriptionVersionDisconnect Request to the NPAC SMS with the subscriptionEffectiveReleaseDate set to tomorrow and specifies the range of TNs.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'disconnect-pending', the subscriptionEffectiveReleaseDate to the date received, and set the subscriptionModifiedTimeStamp to the current date and time for each TN in the range.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the Current SP SOA.	SP	Current SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Current SP SOA based on their Customer TN Notificaton Indicator. • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification for the range of 100 TNs range containing a list of the SVIDs and indicating their subscription version status is now 'disconnect-pending'. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification for each TN in the range of 100 indicating their subscription version status is now 'disconnect-pending'.	SP	Current SP SOA receives the M-EVENT-REPORT(s) from the NPAC SMS.
5.	SP	Current SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations.
6.	NPAC	NPAC Personnel perform a query for the range of subscription versions disconnected in this test case.	NPAC	The subscription versions exist with a status of 'disconnect-pending'.
7.	SP – Optional	Via their SOA &/or LSMS, Current SP Personnel perform a local query for the subscription versions disconnected during this test case.	SP	1. On the SOA, the subscription versions either do not exist or they exist with a status of 'disconnect-pending'. 2. On the LSMS, the subscription versions exist with a status of 'active'.

8.	SP – Conditional	Current SP Personnel perform an NPAC SMS query for the subscription versions disconnected during this test case.	SP	The subscription versions exist with a status of 'disconnect-pending' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**7.6**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – New Service Provider Personnel cancel a range of 5000 Inter-Service Provider subscription versions for which the Old Service Provider has not yet concurred to. Their Customer TN Range Notification Indicator is set to production value. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The cancel request is submitted as one range. The cancel request results in one notification containing a list SVIDs. – Success			

B. REFERENCES

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

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to production value for the Service Providers under test. 2. Verify that the New SP Customer TN Range Notification Indicator is set to production value for the Service Providers under test. 3. Verify that the SOA Notification Priority tunable parameters are set to production values for the ~~New~~ Service Providers under test. 4. Verify that 5000 consecutive subscription versions exist with a status of 'pending' for the New SP under test. All 5000 TNs should have one set of DPC/SSN data. The SVIDs should NOT be consecutive for all 5000 TNs. The first 2500 TNs in the range should be consecutive and then there should be a break between the SVIDs in the next 2500 TNs. 5. Verify that 'active' subscription versions do not currently exist for the range of 5000 TNs to be used in this Test Case. 6. Verify that the Old SP has not concurred to the subscription versions to be cancelled during this test case.
Prerequisite SP Setup:	1. Create one range of 2500 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPC/SSN data. 2. Perform some other subscription version functions for other TNs that are not part of the range used in this test case to cause a break in SVIDs. 3. Create another range of 2500 Inter-Service Provider subscription versions using the next 2500 consecutive non-ported TNs using the same set of DPC/SSN data as the first 2500 TNs. For example, create 1000-2499, then perform other subscription version activities to TNs outside of the consecutive 5000 TNs used in this test case, then create 2500-4999 with the same set of DPC/SSN data as was used for TNs 1000-2499. 4. Verify that the SVIDs are NOT consecutive for the full 5000 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC to cancel a range of	NPAC	NPAC SMS receives the M-ACTION Request from the New SP SOA.

		5000 Inter-Service Provider subscription versions for which the Old SP has not yet concurred. Specify the range of 5000 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionCancel Request to the NPAC SMS and specifies the range of TNs.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'cancelled' and the subscriptionVersionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues M-EVENT-REPORTs to the Old SP SOA based on their Customer TN Range Notification Indicato.: • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORTs subscriptionVersionRangeStatusAttributeValueChange is sent for the range of 5000 TNs containing a list of the SVIDs and indicating their subscription version status is now 'cancelled'. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for each TN in the range of 5000 indicating the status is 'active'.	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
5.	SP	Old SP SOA issues M-EVENT-REPORT Confirmations to the NPAC SMS for the set of 5000 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations from the Old SP SOA.
6.	NPAC	NPAC SMS issues M-EVENT-REPORTs to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORTs subscriptionVersionRangeStatusAttributeValueChange is sent for the range of 5000 TNs	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

		containing a list of the SVIDs and indicating their subscription version status is now 'cancelled'. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for each TN in the range of 5000 indicating the status is 'active'.		
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
8.	NPAC	NPAC Personnel perform a query for the range of subscription versions cancelled in this test case.	NPAC	The subscription versions exist with a status of 'cancelled'.
9.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription versions cancelled during this test case.	SP	The subscription version exists with a status of 'cancelled'.
10.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions cancelled during this test case.	SP	The subscription versions exist with a status of 'cancelled' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**7.7**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Old Service Provider Personnel modify a range of 1000 'pending' Inter-Service Provider subscription versions to change the authorization flag from TRUE to FALSE. Their Customer TN Range Notification Indicator is set to production value. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The modify request is submitted as one range. The modify request results in one notifications containing a list of the SVIDs. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR5-115, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B5.5.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to production value for the Service Providers under test. 2. Verify that the Old SP Customer TN Range Notification Indicator is set to production value for the Service Providers under test. 3. Verify that the SOA Notification Priority tunable parameters are set to production values for the ~~Old~~ Service Providers under test. 4. Verify that 1000 consecutive subscription versions exist with a status of 'pending' and a future due date where the Old SP is the SP under test. All 1000 TNs should have one set of DPC/SSN data. The SVIDs should NOT be consecutive for all 1000 TNs. The first 500 TNs in the range should be consecutive and then there should be a break between the SVIDs in the next 500 TNs. 5. Verify that the New SP has concurred to the subscription versions to be modified during this test case.
Prerequisite SP Setup:	1. Create one range of 500 Inter-Service Provider subscription versions with a future due date using consecutive non-ported TNs, with one set of DPC/SSN data. 2. Perform some other subscription version functions for other TNs that are not part of the range used in this test case to cause a break in SVIDs. 3. Create another range of 500 Inter-Service Provider subscription versions with a future due date using the next 500 consecutive non-ported TNs and the same set of DPC/SSN data as the first 500 TNs. For example, create 1000-1499, then perform other subscription version activities to TNs outside of the consecutive 1000 TNs used in this test case, then create 1500-1999 with the same set of DPC/SSN data as was used for TNs 1000-1499. 4. Verify that the SVIDs are NOT consecutive for the full 1000 TNs.

D. TEST STEPS and EXPECTED RESULTS

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

		to FALSE for a range of 1000 Inter-Service Provider subscription versions. Specify the range of 1000 concecutive TNs described in the pre-requisites above. 2. The SOA issues an M-ACTION subscriptionVersionModifyRequest to the NPAC SMS for the range of TNs to set the subscriptionOldSP-Authorization to FALSE.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscriptionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-EVENT REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification with subscriptionVersionStatus = 'conflict', a subscriptionStatusChangeCauseCode, and a list of the SVIDs for the range of 1000 TNs. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification with a subscription version status of 'conflict' and a subscriptionStatusCauseCode for each TN in the range (1000).	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
5.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

		EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification with subscriptionVersionStatus = 'conflict', a subscriptionStatusChangeCauseCode, and a list of the SVIDs for the range of 1000 TNs. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification with a subscription version status of 'conflict' and a subscriptionStatusCauseCode for each TN in the range (1000).		
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
8.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for the range of 1000 TNs with subscriptionOldSP-Authorization='false'. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT attributeValueChange for each TN in the range of 1000 with subscriptionOldSP-Authorization='false'.	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.
9.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.
10.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for the range of 1000 TNs with subscriptionOldSP-Authorization='false'.	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification Indicator.

		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT attributeValueChange for each TN in the range of 1000 with subscriptionOldSP-Authorization='false'.		
11.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
12.	NPAC	NPAC Personnel perform a query for the range of subscription versions modified in this test case.	NPAC	The subscription versions exist with a status of 'conflict'.
13.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription versions modified during this test case.	SP	The subscription versions exist with status of 'conflict'.
14.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription versions modified during this test case.	SP	The subscription versions exist with a status of 'conflict' on the NPAC SMS.

~~NOTE TO REVIEWERS: This test case was previously NANC 179-19. We still need to review it in detail.~~

A. TEST IDENTITY

Test Case Number:	**7.8**	**SUT Priority:**	**SOA**	R
			LSMS	R
Objective:	SOA – Service Providers set their Customer TN Range Notification Indicator ~~set~~ to the value they will use in production and ~~they~~ perform a series of activities simultaneously, that emulate a period of time (15 – 30 minutes) in an actual production environment~~: – creates, activates, modifies, activate of Pooled Blocks, delete of Pooled Blocks, disconnects, port of a port, etc~~. NPAC SMS manages notifications accordingly. – Success			

B. REFERENCES

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

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. ~~Verify that the Customer TN Range Notification Indicators are set to the production values for the Service Providers under test.~~ 2. ~~Verify that the SOA Notification Priority tunable parameters are set to the default values for the Service Providers under test.~~ 3. ~~Each SP under test should perform activities in Rows 1-6 below consecutively and as fast as they can, without any delay between rows.~~ 4. ~~NPAC Personnel perform activities in Row 7 below at the same time that SPs are performing activities in Rows 1-6.~~ 5. ~~Verify that the NPA-NXX already exists for the subscription versions that are to be Created in Row 1 below. These should be consecutive, non-ported TNs. Each SP identifies the set of 100 TNs they are going to create in Row 1.~~ 6. ~~Verify that 500 consecutive subscription versions exist with a status of 'pending' for which New SP under test will activate in Row 2 below. Verify that 'active' subscription versions do not currently exist for these 500 TNs. Verify that the DPC/SSN data is the same for each TN within the range. Verify that all SVIDs are consecutive within the range. Verify that the Old SP has concurred or the Concurrence Window has expired for receiving the Old SP Create for these subscription versions. Each SP identifies the set of 500 TNs they are going to activate in Row 2.~~ 7. ~~Verify that 1000 consecutive subscription versions exist with a status of 'pending' for which SPs under test will cancel in Row 3 below. Verify that the SP has issued a create for the subscription versions – but that the 'other' SP has not yet concurred. Verify that the first 500 TNs in the range have one set of DPC/SSN data while the next consecutive 500 TNs in the range have another, unique set of DPC/SSN data. Verify that the SVIDs are consecutive for all 1000 TNs in the range. Each SP identifies the set of 1000 TNs they are going to cancel in Row 3.~~ 8. ~~Verify that 50 consecutive subscription versions exist with a status of 'active' for which the SP under test will modify in Row 4 below. Verify that the SP under test is the current SP for each of the subscription versions. Verify that all 50 subscription versions have the same LRN/DPC and SSN data. Verify that the first 25 TNs in the range have consecutive SVIDs, and then there is a break before the next set of 25 TNs in the range has consecutive SVIDs. Each SP identifies the set of 50 TNs they are going to modify in Row 4.~~

	9. ~~Verify that 1000 consecutive subscription versions exist with a status of 'active' and an empty Failed SP List for which the SP under test will request an immediate disconnect in Row 5 below. Verify that the SP under test is the current SP. Verify that the DPC/SSN data is the same for all TNs in the range. Verify that the SVIDs are consecutive across the full 1000 TN range. Each SP identifies the set of 1000 TNs they are going to disconnect in Row 5.~~ 10. ~~(Conditional) Verify that the NPA-NXX-X already exists for which the SP under test is going to create a respective number pool block in Row 6 below. Each SP identifies the number pool block they are going to create in Row 6.~~ 11. ~~Verify that the NPA-NXX-X and respective number pool block exist for which the NPAC personnel are going to de-pool in Row 7..~~
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
~~1.~~	~~SP~~	1. ~~Using their SOA systems, multiple SP Personnel submit range Inter-Service Provider subscription version create requests to the NPAC specifying 100 consecutive, non-ported TNs.~~ 2. ~~SP SOA systems issue M-ACTION subscriptionVersion(New/Old)SP-Create requests to the NPAC SMS that include all required subscription version attributes.~~	~~NPAC~~	1. ~~NPAC SMS receives the M-ACTION subscriptionVersion(New/Old)SP-Create requests from the SP SOA systems and verify that each request is valid according to system requirements.~~ 2. ~~NPAC SMS performs internal processing related to this request.~~ 3. ~~NPAC SMS issues an M-ACTION response back to the SPs.~~ 4. ~~NPAC SMS performs necessary broadcasts to the 'other' SPs that are party to these create requests.~~
~~2.~~	~~SP~~	1. ~~Using their SOA systems, multiple SP Personnel submit range subscription version activate requests to the NPAC specifying 500 consecutive TNs with a current status of 'pending'.~~ 2. ~~SP SOA systems issue M-subscriptionVersionActivate requests to the NPAC SMS and specify a their range of TNs.~~	~~NPAC~~	1. ~~NPAC SMS receives the M-ACTION subscriptionVersionActivate requests from the SP SOA systems and verify that each request is valid according to system requirements.~~ 2. ~~NPAC SMS performs internal processing related to this request.~~ 3. ~~NPAC SMS issues an M-ACTION response back to the SPs.~~ 4. ~~NPAC SMS performs processing with LSMSs in the region accepting downloads for these NPA-NXXs.~~
~~3.~~	~~SP~~	1. ~~Using their SOA systems, multiple SP Personnel submit range subscription version cancel requests to the NPAC.~~ 2. ~~SP SOA systems issue M-subscriptionVersionCancel requests to the NPAC SMS and specify a range of TNs.~~	~~NPAC~~	1. ~~NPAC SMS receives the M-ACTION subscriptionVersionCancel requests from the SP SOA systems and verify that each request is valid according to system requirements.~~ 2. ~~NPAC SMS performs internal processing related to this request.~~ 3. ~~NPAC SMS issues an M-ACTION response back to the SPs.~~ 4. ~~NPAC SMS performs necessary broadcasts to the 'other' SPs that are party to these subscription versions regarding these cancellation requests.~~
~~4.~~	~~SP~~	1. ~~Using their SOA systems, multiple SP Personnel submit range subscription version~~	~~NPAC~~	1. ~~NPAC SMS receives the M-ACTION subscriptionVersionModify requests from the SP SOA systems and verify that each request is valid according to~~

		modify requests to the NPAC. 2. SP SOA systems issue M-subscriptionVersionModify requests to the NPAC SMS and specify a range of 'pending' TNs whereby they are the New SP.		system requirements. 2. NPAC SMS performs internal processing related to this request. 3. NPAC SMS issues an M-ACTION response back to the SPs.
5.	SP	1. Using their SOA systems, multiple SP Personnel submit range subscription version Immediate Disconnect requests to the NPAC. 2. SP SOA systems issue M-subscriptionVersionDisconnect requests to the NPAC SMS and specify a range of 'pending' TNs whereby they are the New SP.	NPAC	1. NPAC SMS receives the M-ACTION subscriptionVersionDisconnect requests from the SP SOA systems and verify that each request is valid according to system requirements. 2. NPAC SMS performs internal processing related to this request. 3. NPAC SMS issues an M-ACTION response back to the SPs. 4. NPAC SMS performs processing with LSMSs in the region accepting downloads for these NPA-NXXs.
6.	SP	1. Using their SOA systems, multiple SP Personnel submit Number Pool Block create requests to the NPAC. 2. SP SOA systems issue M-ACTION numberPool BlockCreate requests to the NPAC SMS.	NPAC	1. NPAC SMS receives the M-ACTION numberPoolBlockCreate requests from the SP SOA systems and verify that each request is valid according to system requirements. 2. NPAC SMS performs internal processing related to this request. 3. NPAC SMS issues an M-ACTION response back to the SPs. 4. NPAC SMS performs processing with LSMSs in the region accepting downloads for these NPA-NXXs and NPA-NXX-Xs.
7.	SP	Using NPAC OP GUI, NPAC Personnel submit multiple NPA-NXX-X de-pool requests on behalf of multiple SPs.	NPAC	1. NPAC SMS determines the de-pool requests are valid according to system requirements. 2. NPAC SMS performs internal processing related to this request. 3. NPAC SMS performs processing LSMSs in the region accepting downloads for these NPA-NXX-Xs.
Following is the NPAC SMS notification processing related to Rows 1-7 above.				
1.	NPAC	NPAC SMS issues the following M-EVENT-REPORT notifications to SPs based on their Customer TN Range Notification Indicator. • If the setting is TRUE, NPAC SMS issues: • An M-EVENT-REPORT subscriptionVersionRangeObjectCreation to to both the New and Old SPs SOA for the TN ranges created. • When the Service Provider Concurrence Window tunable expires the NPAC issues an M-EVENT REPORT subscriptionVersionRange(Old/New)SP-Concurrence request to any (Old/New) SP that did not concur to the range Create	SP	1. SP SOA systems receive the M-EVENT-REPORT notifications according to their Customer TN Range Notification Indicator. 2. SP personnel verify that they received the notifications. 3. (Optional) SP Personnel verify that the subscription versions exist on their local system with a status of 'pending'. 4. (Conditional) SP personnel verify that the subscription versions exist on the NPAC with a status of 'pending'.

		as well as to the respective (New/Old) SPs for the TN ranges created. • When the Service Provider Concurrence Failure Window tunable expires the NPAC issues an M-EVENT-REPORT subscriptionVersionRange(Old/New)SP-FinalCreateWindowExpiration to any (Old/New) SP that still has not concurred to the range Create as well as to the respective (New/Old) SPs for the TN ranges created. • If the setting is FALSE, NPAC SMS issues: • an M-EVENT-REPORT subscriptionVersionObjectCreation to to both the New and Old SPs SOA for each TN in each of the ranges created. • When the Service Provider Concurrence Window tunable expires the NPAC issues an M-EVENT-REPORT subscriptionVersion(Old/New) SP-Concurrence request to any (Old/New) SP that did not concur to the range Create as well as to the respective (New/Old) SPs for each TN in each of the ranges created. When the Service Provider Concurrence Failure Window tunable expires the NPAC issues an M-EVENT-REPORT subscriptionVersion(Old/New)SP-FinalCreateWindowExpiration to any (Old/New) SP that still has not concurred to the range Create as well as to the respective (New/Old) SPs for each TN in each of the ranges created.		
2.	NPAC	NPAC SMS issues the following M-EVENT-REPORT notifications to SPs based on their Customer TN Range Notification Indicator. • If the setting is TRUE, NPAC SMS issues: • an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange to both the New and Old SPs	SP	1. SP SOA systems receive the M-EVENT-REPORT notifications according to their Customer TN Range Notification Indicator. 2. SP Personnel verify that they received the notifications. 3. (Optional) SP Personnel verify that the subscription versions exist with the correct status (either 'active', 'failed' and Failed SP List, or 'partial-fail' and Failed SP List) according to what the NPAC broadcasted on their SOA. 4. (Optional) SP Personnel verify that the subscription versions exist with the correct status (either 'active',

		SOA for the TN ranges activated. This notification will include the status of the subscription versions (either 'active', 'failed' with a Failed SP List or 'partial-fail' with a Failed SP List). • If the setting is FALSE, NPAC SMS issues: an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange to both the New and Old SPs SOA for each TN in each of the ranges activated. This notification will include the status of the subscription versions (either 'active', 'failed' with a Failed SP List or 'partial-fail' with a Failed SP List).		'failed', or 'partial-fail') according to what the NPAC broadcasted on their LSMS. 5. (Conditional) SP Personnel verify tat the subscription versions exist with the correct status (either 'active', 'failed' with a Failed SP List, or 'partial-fail' with a Failed SP List) according to what the NPAC broadcasted to their SOA.
3.	NPAC	NPAC SMS issues the following M-EVENT-REPORT notifications to SPs based on their Customer TN Range Notification Indicator. • If the setting is TRUE, NPAC SMS issues: • an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange to the SP SOAs for the first 500 TNs in the ranges that were cancelled. • an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange to the SP SOAs for the next 500 TNs in the ranges that were cancelled. There are two notifications because the full range did not have the same DPC/SSN data across all TNs. This notification will include the status of the subscription versions 'old'. • If the setting is FALSE, NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange to the SP SOAs for each TN in each of the ranges cancelled. This notification will include the status of the subscription versions 'old'.	SP	1. SP SOA systems receive the M-EVENT-REPORT notifications according to their Customer TN Range Notification Indicator. 2. SP Personnel verify that they received the notifications. 3. (Optional) SP Personnel verify that the subscription versions exist on their local system with a status of 'old', or do not exist (depending on local implementation). 4. (Conditional) SP personnel verify that the subscription versions exist on the NPAC with a status of 'old'.
4.	NPAC	NPAC SMS issues the following M-EVENT-REPORT notifications to	SP	1. SP SOA systems receive the M-EVENT-REPORT notifications according to their Customer TN Range

		SPs based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, NPAC SMS issues:
		  • an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange to the SP SOAs for the first 25 TNs in the ranges that were modified.
		  • an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange to the SP SOA for the next 25 TNs in the ranges that were modified.
		There are two notifications because the full range did not have consecutive SVIDs for the TNs.
		If the setting is FALSE, NPAC SMS issues an M-EVENT-REPORT attributeValueChange to the SP SOAs for each TN in each of the ranges modified.
				Notification Indicator.
				2. SP Personnel verify that they received the notifications.
				3. (Optional) SP Personnel verify that the subscription versions exist on their local system with a status of 'active', and the modified subscription version values.
				(Conditional) SP personnel verify that the subscription versions exist on the NPAC with a status of 'active' and the modified subscription version values.

5.	NPAC	NPAC SMS issues the following M-EVENT-REPORT notifications to SPs based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE:
		NPAC SMS issues
		  • an M-EVENT-REPORT subscriptionVersionRangeDonorSP-CustomerDisconnectDate to the Donor SPs SOA for the TN ranges disconnected.
		  • an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange request to the current SP for the TN ranges disconnected. This notification will include the status of the subscription versions (either 'old', 'failed' with a Failed SP List or 'partial-fail' with a Failed SP List).
		• If the setting is FALSE, NPAC SMS issues
		  • an M-EVENT-REPORT subscriptionVersionDonorSP-CustomerDisconnectDate to the Donor SPs SOA for each TN in each of the ranges disconnected.
		  • an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange request to
			SP	1. SP SOA systems receive the M-EVENT-REPORT notifications according to their Customer TN Range Notification Indicator.
				2. SP Personnel verify that they received the notifications.
				3. (Optional) SP Personnel verify that the subscription versions exist with the correct status (either 'old', 'failed' and Failed SP List, or 'partial-fail' and Failed SP List) according to what the NPAC broadcasted on their SOA. *If the status is really 'old' then depending on the local implementation, the subscription version may not exist.
				4. (Optional) SP Personnel verify that the subscription versions exist with the correct status (either 'old', or 'active') according to what the NPAC broadcasted on their LSMS.
				5. (Conditional) SP Personnel verify that the subscription versions exist with the correct status (either 'old', 'failed' with a Failed SP List, or 'partial-fail' with a Failed SP List) according to what the NPAC broadcasted to their SOA.

		the current SP for each TN in each of the ranges disconnected. This notification will include the status of the subscription versions (either 'old', 'failed' with a Failed SP List or 'partial-fail' with a Failed SP List).		
6.	NPAC	NPAC SMS issues the following M-EVENT-REPORT notifications to SPs: an M-EVENT-REPORT numberPoolBlockStatusAttributeValueChange request to the current SP for the number pool blocks created. This notification will include the status of the number pool blocks (either 'active', 'failed' with a Failed SP List or 'partial-fail' with a Failed SP List).	SP	6. SP SOA systems receive the M-EVENT-REPORT notifications. 7. SP Personnel verify that they received the notifications. 8. (Conditional) SP Personnel verify that the number pool blocks exist with the correct status (either 'active', 'failed' and Failed SP List, or 'partial-fail' and Failed SP List) according to what the NPAC broadcasted on their SOA. 9. (Optional) SP Personnel verify that the number pool blocks exist with the correct status (either 'old', 'active') according to what the NPAC broadcasted on their LSMS. 10. (Conditional) SP Personnel verify that the number pool blocks exist with the correct status (either 'active', 'failed' with a Failed SP List, or 'partial-fail' with a Failed SP List) according to what the NPAC broadcasted to their SOA.
7.	NPAC	NPAC SMS issues the following M-EVENT-REPORT notifications to SPs: • an M-EVENT-REPORT numberPoolBlockStatusAttributeValueChange request to the current SP for the number pool blocks created. This notification will include the status of the number pool blocks (either 'old', 'failed' with a Failed SP List or 'partial-fail' with a Failed SP List).	SP	1. SP SOA systems receive the M-EVENT-REPORT notifications. 2. SP Personnel verify that they received the notifications. 3. (Conditional) SP Personnel verify that the number pool blocks exist with the correct status (either 'old', 'failed' and Failed SP List, or 'partial-fail' and Failed SP List) according to what the NPAC broadcasted on their SOA. 4. (Optional) SP Personnel verify that the number pool blocks exist with the correct status (either 'old', 'active') according to what the NPAC broadcasted on their LSMS. 5. (Conditional) SP Personnel verify that the number pool blocks exist with the correct status (either 'active', 'failed' with a Failed SP List, or 'partial-fail' with a Failed SP List) according to what the NPAC broadcasted to their SOA. 6. If the number pool block was successfully deleted (status='old'), SP Personnel verify that the NPA-NXX-X was deleted from the NPAC SMS.

This test case deviates from the normal format of detailed test steps and expected results. In order to emulate a period of "production-like" activity the follow will occur:

- The lead NPAC test engineer will provide activities to each participating service provider
- This test case is REQUIRED for all service providers that have a SOA association in production
- The service providers should use scripts that go through their SOA application and over the CMIP interface to the NPAC SMS whenever possible. The reason for this is to get the data over the interface and to the NPAC SMS as quickly as possible. Using simulators would not be an option unless they can be configured to send data through the SOA application and then over the CMIP interface to the NPAC SMS.
- All service provider profile flags should be set to production values
- All test activities should be executed before any validation of activity is performed
- All validations will be performed after all test activities have been executed
- Any problems that are uncovered during the validation of the test activities will be investigated by both service provider and NPAC test engineers
- Testing activities shall consist of:

- Old SP Creates
- New SP Creates
- Old SP Modify-pending
- New SP Modify-pending
- Activate, Success
- Activate, Partial Failure
- Activate, Failure
- Modify active
- Cancel
- Immediate Disconnect
- Deferred Disconnect
- Activate Number Pool Block
- Delete Number Pool Block
- Audit of a single subscription version that results in LSMS updates

~~**NOTE TO REVIEWERS**: This test case was previously NANC 329-4. We still need to review it in detail.~~**Note**: This test case is written as an example of what should happen. Different Service Providers may want different priorities for their notifications than indicated and the test case will need to be adjusted accordingly.

A. TEST IDENTITY

Test Case Number:	**7-9**	**SUT Priority:**	**SOA**	R
			LSMS	N/A
Objective:	NPAC and SOA – Service Providers have NPAC Personnel modify their notification priorities to ensure that they ~~all~~ have notifications with the three different priorities (LOW, MEDIUM, and HIGH). ~~and that the priority one SP gives a particular notification is different that the priority given the same notification by another SP. Each SP performs a series of activities that will generate a good mixture of notifications.~~ The Service Providers verify that they receive the notifications according to the priorities listed in their SP Profile. – Success			

B. REFERENCES

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

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that all 'SOA Notification Priority' tunable parameters for the Service Provider under test are defaulted to MEDIUM. 2. Verify that the Service Provider's 'Customer TN Range Notification Indicator' is set to FALSE so that their SOAs will receive SOA Notifications on a TN basis. 3. ~~Create and Activate 500 subscriptions for which the Service Provider under test is the Donor SP.~~ 4. ~~Create two NPA-NXX-Xs for the Service Provider under test and have the associated Number Pool Blocks ready to be activated.~~ Verify that there exists 500 "pending"subscription versions for which the Service Provider under test is the Old Service Provider and that they are ready to be activated. 5. Verify that there exists 500 "active" subscription versions for which the Service Provider under test is the Donor Service Provider and that they are ready to be disconnected. 6. ~~After the Service Provider under test has performed the activities listed in the Prerequisite SP Setup and NPAC SMS has processed all the requests, s~~Set the following 'SOA Notification Priority' tunable parameters to the values indicated for the Service Provider under test: • Subscription Version Object Creation (S-1.00) = ~~HIGH~~MEDIUM • ~~Subscription Version Cancellation Acknowledge Request = MEDIUM~~ • Subscription Version Status Attribute Value Change Notification – Activates – To the New Service Provider (L-11.0 A1) = ~~MEDIUM~~HIGH • ~~Subscription Version Status Attribute Value Change Notification – set to OLD = HIGH~~ • Subscription Version Status Attribute Value Change Notification – Activates – To the Old Service Provider (L-11.0 A1.5) = ~~MEDIUM~~LOW • Subscription Version – Donor SP – Customer Disconnect Date Notification (L-6.0) – ~~LOW~~HIGH ~~Number Pool Block Status Attribute Value Change Notification – HIGH~~
Prerequisite SP	~~Before the NPAC Test Engineer modifies your 'SOA Notification Priority' tunable parameters as~~

Setup:	~~listed above perform the following activities:~~ 1. Create 500 subscription versions for which you are the Old Service Provider. 2. Create 500 subscription versions for which you are the New Service Provider and have them ready to be activated. ~~Create 500 subscription versions to which the Old SP has concurred and have them ready to be cancelled by the Old Service Provider.~~ 3. Create and Activate 500 subscription versions and have them ready to be disconnected.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC & SP	NPAC and SP Personnel perform the following activities simultaneously and in the order listed Using the SOA, Service Provider Personnel: • Create 1000 subscription versions for which you are the New SP (will generate Subscription Version Object Create Notifications (S-1.00) to the Service Provider under test) • Activate the 500 subscription versions listed in Item ~~1~~ 2 of the Prerequisite SP Setup (will generate Subscription Version Status Attribute Value Change– Activates – To the New Service Provider Notifications (L-11.0 A1) to the Service Provider under test) • ~~Disconnect the 500 subscription versions listed in Item 3 of the Prerequisite SP Setup Setup (will generate Subscription Version Status Attribute Value Change – set to OLD Notifications)~~ Using the NPAC OpGUI, NPAC Personnel: • On behalf of the New SP activate the 500 subscription versions listed in Item 3 of the Prerequisite NPAC Setup (will generate Subscription Version Status Attribute Value Change– Activates – To the Old Service Provider Notifications (L-11.0 A1.5) to the Service Provider under test) • On behalf of the New SP, disconnect the 500 subscription versions listed in Item 4 of the Prerequisite NPAC Setup (will	NPAC	NPAC receives, validates, and starts processing all requests.

		generate Subscription Version – Donor SP – Customer Disconnect Date Notifications (L-6.0) to the Service Provider under test) • ~~Activate the 2 Number Pool Blocks listed in Item 4 of the Prerequisite NPAC Setup (will generate Number Pool Block Status Attribute Value Change Notifications)~~ ~~On behalf of the Old SP, cancel the 500 subscription versions listed in Item 3 of the Prerequisite SP Setup (will generate Subscription Version Cancellation Acknowledge Notifications).~~		
2.	NPAC	NPAC SMS generates the appropriate notifications and sends them to the SOAs based on their SOA Notifications Priority Indicators.	SP	All SP SOAs receive the notifications sent to them by the NPAC SMS.
3.	NPAC	NPAC Personnel verify that all notifications were sent to the Service Provider under test according to the priorities that were set for the respective notifications.	NPAC	All notifications were sent according to the priorities that were set for the respective notifications.
4.	SP	SP Personnel verify that all notifications were received according to the priorities that were set for the respective notifications.	SP	All notifications were received according to the priorities that were set for the respective notifications.

NOTE: There is significant timing involved in this test case. Having the Customer TN Range Notification Indicator set to FALSE and both Service Provider and NPAC Personnel submitting all requests to the NPAC SMS simultaneously enough notifications should be generated to force a queue at the NPAC SMS which will, in turn, utilitize the SOA Notification Priority settings. Service Providers also need to be aware that the NPAC SMS groupos outbound messages in blocks of 100 and once dispatched the priority is not evaluated again until all 100 messages are sent.

Appendix A: Test Case List and Results

NANC 179 – TN Range Notification Test Cases				
Test Case #	**Test Case Description**	**Req.**	**IIS Flow**	**Test Results/Issues/Comments**
2.1	SOA - Old SP Personnel create a range of Inter-Service Provider subscription versions. Their Customer TN Range Notification Indicator is set to TRUE. New SP does not submit their create request. Initial and Final Concurrence Windows expire. – Success	RR3-237, RR3-239, RR5-113, RR5-115, R4-8	B.5.1.1 B.5.1.6.4 B.5.1.6.5	
2.2	SOA – New Service Provider Personnel create a range of 3 Inter-Service Provider subscription versions. Their Customer TN Range Notification Indicator is set to TRUE. Old Service Provider Personnel does not submit their create request. Initial Concurrence Window Expires. Final Concurrence Window Expires. – Success	RR5-113, RR5-114, RR6-81	B.5.1.2, B.5.1.6.2 B.5.1.6.3	
2.3	SOA – New Service Provider Personnel create one Inter-Service Provider subscription version. Their Customer TN Range Notification Indicator is set to TRUE. Both Old and New Service Providers do their creates. NPAC SMS manages the notifications accordingly. – Success	RR5-113, RR5-114, RR6-81	B.5.1.2 B.5.1.6.2 B.5.1.6.3	
2.4	SOA – Old Service Provider Personnel create a range 5 of Inter-Service Provider subscription versions. Primary SPID A is the New Service Provider. Secondary SPID B is the Old Service Provider. Both Service Providers have their Customer TN Range Notification Indicators set to TRUE. New Service Provider does not respond. Initial and Final Concurrence Timers expire. NPAC SMS manages the notifications accordingly. – Success	RR5-113, RR5-114, RR6-81	B.5.1.1, B.5.1.6.4 B.5.1.6.5	
2.5	SOA – New Service Provider Personnel create a range of Inter-Service Provider subscription versions. Primary SPID A is the New Service Provider. Secondary SPID B is the Old Service Provider. SPID B Service Provider has their Customer TN Range Notification Indicator set to TRUE. SPID A Service Provider has their Customer TN Range Notification Indicator set to FALSE. Old Service Provider does not respond. Initial and Final Concurrence Timers expire. NPAC SMS manages the notifications accordingly. – Success	RR5-113, RR5-114, RR6-81	B.5.1.2 B.5.1.6.2 B.5.1.6.3	
2.6	SOA – Service Provider Personnel activate a range of 1000 Inter-Service Provider subscription versions. Their Customer TN Range Notification Indicator is set to TRUE. In the pre-requisite create process the range is submitted as two smaller	RR5-113, RR5-116, RR6-81	B.5.1.5, B.5.1.6	

	ranges, each with unique DPC/SSN data but the TNs used in the ranges are contiguous and the SVIDs assigned by the NPAC SMS are contiguous. The activate request is submitted as one range. The activate request results in two notifications due to the unique DPC/SSN data used for each range in the create process. – Success			
2.7	SOA – Service Provider Personnel activate a range of 200 SVs. Their Customer TN Range Notification Indicator is set to TRUE. In the pre-requisite SVcreate process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data. The creates are submitted without any other activity in between to ensure that the SVIDs for the TNs in the ranges are contiguous. The activate request is submitted as one range. The activate request results in one notification because the TNs and SVIDs are both contiguous and all TNs in the range have the same feature data. – Success	RR5-113, RR5-116, RR6-81	B.5.1.6	
2.8	SOA – Service Provider Personnel activate a single SV. Their Customer TN Range Notification Indicator is set to TRUE. Even though this is a single SV, the activate request results in a range notification. – Success	RR5-113, RR5-116, RR6-81	B5.1.5	
2.9	SOA – Service Provider Personnel activate a range of 500 SVs. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite SV create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The activate request is submitted as one range. The activate request results in one notification containing a list of the SVIDs. – Success	RR5-113, RR5-116, RR6-81	B.5.1.6	
2.10	SOA – Service Provider Personnel activate a range of 100 SVs. Their Customer TN Range Notification Indicator set to TRUE. In the prerequisite SV create process the range is submitted as one range, all with the same feature data. One of the LSMSs has a problem creating all the TNs and responds with a M-EVENT-REPORT containing a few of the TNs from the range that it failed to create. NPAC responds to the SP with multiple notifications. - Success	RR5-113, RR5-116, RR6-81	B.5.1.6	
2.11	SOA – Service Provider Personnel modify a range of 200 active SVs. Their Customer TN Range Notification Indicator set to TRUE. All TNs in the range have the same feature data and contiguous SVIDs. The modify active request is submitted as one range and results in one notification. - Success	RR5-113, RR5-116, RR6-81	B.5.2.1	
2.12	SOA – Service Provider Personnel modify one active SV. Their Customer TN Range Notification	RR5-113,	B.5.2.1	

	Indicator set to TRUE. - Success	RR5-116, RR6-81		
2.13	SOA – Service Provider Personnel modify a range of 10 active SVs. Their Customer TN Range Notification Indicator set to TRUE. The 'modify active' fails on one LSMS resulting in a subscription version status of 'active' with a Failed SP-List. - Success	RR5-113, RR5-115, RR6-81	B.5.2.2	
2.14	SOA – New Service Provider Personnel modify the due date for a range of 10 conflict SVs. Their Customer TN Range Notification Indicator set to TRUE. All TNs in the range have the same feature data and contiguous SVIDs. The modify request is submitted as one range. The modify request results in one notification. - Success	RR5-113, RR5-116, RR6-81	B.5.2.3	
2.15	SOA – Old Service Provider Personnel modify one pending SV. Their Customer TN Range Notification Indicator set to TRUE. - Success	RR5-113, RR5-116, RR6-81	B.5.2.3	
2.16	SOA – Service Provider Personnel perform an immediate disconnect of a range of 500 active SVs. Their Customer TN Range Notification Indicator is set to TRUE. In the pre-requisite SV create process the range was submitted as two smaller range creates, each with the same feature data and, the SVIDs are contiguous within each range create. The immediate disconnect request is submitted as one range. The immediate disconnect request results in one notification containing a list of the SVIDs. – Success	RR5-113, RR5-116, RR6-81	B.5.4.1, B.5.4.1.1	
2.17	SOA – Donor Service Provider receives subscriptionVersionRangeDonorSP-CustomerDisconnectDate notification upon immediate disconnect of a range of 5 active SVs when their Customer TN Range Notification Indicator is set to TRUE. The 'active' SVs exist with contiguous SVIDs and the same feature data. The immediate disconnect results in one notification to the Donor Service Provider. – Success	RR5-113, RR5-116, RR6-81	B.5.4.1, B.5.4.1.1	
2.18	SOA – Current Service Provider Personnel perform an immediate disconnect for a range of 10 'active' subscription versions. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data. The range create requests are submitted without any other activity between to ensure that the SVIDs for the TNs in the ranges are contiguous. The disconnect request is submitted as one range. The disconnect request results in one notification because the TNs and SVIDs are both contiguous	RR5-113, RR5-114, RR5-115, RR6-81	B.5.4.1, B.5.4.1.1	

	and all TNs in the range have the same feature data. – Success			
2.19	SOA – Service Provider Personnel perform an immediate disconnect of a single active SV. Their Customer TN Range Notification Indicator is set to TRUE.. – Success	RR5-113, RR5-116, RR6-81	B.5.4.1, B.5.4.1.1	
2.20	SOA – New Service Provider Personnel perform an immediate disconnect of a range of Inter-Service Provider subscription versions. Primary SPID A is the New Service Provider. Secondary SPID B is the Old Service Provider and Codeholder of the NPA-NXX of the TNs used in the subscription versions. Both Service Providers have their Customer TN Range Notification Indicators set to TRUE. NPAC SMS manages the notifications accordingly. – Success	RR5-113, RR5-116, RR6-81	B.5.4.1, B.5.4.1.1	
2.21	SOA – New Service Provider Personnel perform an immediate disconnect of a range of 2 Inter-Service Provider subscription versions. Secondary SPID B is the New Service Provider. Primary SPID A is the Old Service Provider and Codeholder of the NPA-NXX of the TNs used in the subscription versions. SPID B Service Provider has their Customer TN Range Notification Indicator set to TRUE. SPID A Service Provider has their Customer TN Range Notification Indicator set to FALSE. NPAC SMS manages the notifications accordingly. – Success	RR5-113, RR5-116, RR6-81	B.5.4.1, B.5.4.1.1	
2.22	SOA – New Service Provider Personnel perform an immediate disconnect of a range of Inter-Service Provider subscription versions. Primary SPID A is the New Service Provider. Secondary SPID B is the Old Service Provider and Codeholder of the NPA-NXX of the TNs used in the subscription versions. SPID A Service Provider has their Customer TN Range Notification Indicator set to TRUE. SPID B Service Provider has their Customer TN Range Notification Indicator set to FALSE. NPAC SMS manages the notifications accordingly. – Success	RR5-113, RR5-116, RR6-81	B.5.4.1, B.5.4.1.1	
2.23	SOA – Current Service Provider Personnel issue a deferred disconnect for a range of 1000 'active' subscription versions. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The deferred disconnect request is submitted as one range. The disconnect-pending request results in one notification containing a list of the SVIDs. – Success	RR5-113, RR5-114, RR5-115, RR6-81	B.5.4.2	
2.24	SOA – Old Service Provider Personnel cancel a	RR5-	B.5.3.1	

	range of 50 Inter-Service Provider subscription versions after both Service Providers have initially concurred. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data. The range create requests are submitted without any other activity between the range create requests to ensure that the SVIDs for the TNs in the ranges are contiguous. The cancel request is submitted as one range. The cancel request results in one notification because the TNs and SVIDs are both contiguous and all TNs in the range have the same feature data. – Success	113, RR5-115, RR6-81	B.5.3.1.1	
2.25	SOA – New Service Provider is the Service Provider under test. NPAC Personel, on behalf of the Old Service Provider Personnel cancel a range of 10 Inter-Service Provider subscription versions after both Service Providers have initially concurred. The New Service Provider's Customer TN Range Notification Indicator is set to TRUE. The TNs used in the range are contiguous and have the same feature data. The cancel request is submitted as one range and results in one notification. – Success	RR5-113, RR5-115, RR6-81	B.5.3.1, B.5.3.1.1	
2.26	SOA – New Service Provider Personnel cancel a range of 5000 Inter-Service Provider subscription versions for which the Old Service Provider has not yet concurred to. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The cancel request is submitted as one range. The cancel request results in one notification containing a list SVIDs. – Success	RR5-113, RR5-115, RR6-81	B.5.3.1 B.5.3.1.1	
2.27	SOA – Old Service Provider Personnel cancel a single SV. Their Customer TN Range Notification Indicator is set to TRUE. In the pre-requisite create process only the Old SP has submitted a create request. Even though this is a single SV, the cancel request results in a range notification. – Success	RR5-113, RR5-114, RR6-81	B.5.3.3	
2.28	SOA – Old Service Provider Personnel modify a range of ~~50~~ 100 'pending', Inter-Service Provider subscription versions to change the authorization flag from TRUE to FALSE. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data. The range create requests are submitted without any other create activity between the range create	RR5-113, RR5-114, RR5-115, RR6-81	B.5.2.3 or B.5.2.4	

	requests to ensure that the SVIDs for the TNs in the ranges are contiguous. The modify request is submitted as one range. The modify request results in one notification because the TNs and SVIDs are both contiguous and all TNs in the range have the same feature data. – Success			
2.29	SOA – Old Service Provider Personnel modify a range of 1000 'pending' Inter-Service Provider subscription versions to change the authorization flag from TRUE to FALSE. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The modify request is submitted as one range. The modify request results in one notifications containing a list of the SVIDs. – Success	RR5-113, RR5-114, RR5-115, RR6-81	B5.5.1	
2.30	SOA – Old Service Provider Personnel modify a single 'pending', Inter-Service Provider subscription versions to change the authorization flag from TRUE to FALSE. Their Customer TN Range Notification Indicator is set to TRUE. – Success	RR5-113, RR5-114, RR5-115, RR6-81	B.5.5.1	
2.31	SOA – Old Service Provider Personnel take action on a range of 'conflict' subscription versions that he created, to remove them from conflict. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data. The range create requests are submitted without any other create activity between to ensure that the SVIDs for the TNs in the ranges are contiguous. The modify request is submitted as one range. The modify request results in one notification because the TNs and SVIDs are both contiguous and all TNs in the range have the same feature data. – Success	RR5-113, RR5-114, RR5-115, RR6-81	B.5.5.5	
2.32	SOA – Old Service Provider Personnel take action on a range of 10 'conflict' subscription versions that he created, to remove them from conflict. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The modify request is submitted as one range. The modify request results in one notifications containing a list of the SVIDs. – Success	RR5-113, RR5-114, RR5-115, RR6-81	B.5.5.5	

2.33	SOA – Service Provider Personnel do a Port-To-Original for a range of 10 ported TNs. Their Customer TN Range Notification Indicator is set TRUE. – Success			
2.34	NPAC – NPAC Personnel delete a Number Pool Block. The Donor Service Provider Customer TN Range Notification Indicator is set to TRUE. NPAC SMS manages notifications accordingly. – Success		B.4.4.23, B.4.4.24,	
2.35	SOA – Service Provider Personnel perform an Intra-Service Provider port of a range of 10 TNs that is part of an active Number Pool Block. Their Customer TN Range Notification Indicator is set to TRUE. NPAC SMS manages notifications accordingly. – Success		B.5.1.11	
2.36	NPAC and SOA – NPAC Personnel do a mass update on 5000 active SVs where more than 1000 of the SVs are contiguous and have the same feature data. The Maximum Number of Download Records tunable is set to 1000. The Service Provider has their Customer TN Range Notification Indicator set to TRUE. NPAC SMS manages notifications accordingly. – Success	RR6-80	B.8.3	
2.37	SOA –Service Provider recovers a mixture of SV notifications for ranges of TNs. Their Customer TN Range Notification Indicator set to TRUE. . – Success	RR3-238, RR3-239, RR6-79, RR6-80,, RR6-29RR6-29	B.7.2	
2.38	SOA – Service Provider does not have any notifications queued. Service Provider aborts their SOA association. Service Provider changes their Customer TN Range Notification Indicator value from TRUE to FALSE and recovery is attempted. – Success	RR6-82	B.7.2	
2.39	SOA – Service Provider has notifications queued. Service Provider aborts their SOA association. Service Provider changes their Customer TN Range Notification Indicator value from FALSE to TRUE and recovery is attempted. – Success	RR6-82	B.7.2	.
2.40	SOA – 'Primary' Service Provider Personnel initiate notification recovery over their SOA to NPAC Interface to recover a mixture of SV notifications for ranges of TNs for both their 'Primary' and 'Associated' SPIDs. The Customer TN Range Notification Indicator set to TRUE for both SPIDs. – Success	RR3-238, RR3-239, RR6-79, RR6-80,, RR6-29	B.7.2	

NANC 240 – No Cancellation of SVs Based onExpiration of T2 Timer				
Test	**Test Case Description**	**Req.**	**IIS Flow**	**Test Results/Issues/Comments**

Case #				
3.1	SOA – Old Service Provider creates a single TN subscription version. New Service Provider does not send create. Timers (T1 & T2) expire. The NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for both the Old and New Service Providers. The Final Create Window Expiration notification is sent to both Service Providers. The subscription version stays in 'pending' status for a tunable amount of time. Verify that subscription version status is changed to 'cancelled' after tunable amount of time. – Success	RR5-117, RR3-240, RR3-242, RR3-244,,, R4-8	B5.1.1, B.5.1.6.4 B.5.1.6.5	
3.2	SOA – Old Service Provider creates a subscription version. New Service Provider does not send create. Timers (T1 & T2) expire. The NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for both the Old and New Service Providers. The Final Create Window Expiration notification is not sent to either Service Provider. The subscription version stays in 'pending' status for a tunable amount of time. – Success	RR3-241, RR3-243, R4-8	B5.1.1, B.5.1.6.4 B.5.1.6.5	
3.3	SOA – Old Service Provider creates a subscription version. New Service Provider does not send create. Concurrance Window timers (T1 & T2) expire. After the Concurrence Window timers have expired, the New Service Provider does their create and activates the subscription version The NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for the New Service Provider and to FALSE for the Old Service Provider. The Final Create Window Expiration notification is sent to the New Service Provider. – Success	RR5-117, RR3-241, RR3-243, RR3-244	B5.1.1, B.5.1.6.4 B.5.1.6.5	
3.4	SOA – Old Service Provider creates a subscription version. New Service Provider does not send create. Timers (T1 & T2) expire. The NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for the New Service Provider and to TRUE for the Old Service Provider. The Final Create Window Expiration notification is sent to the Old Service Provider. The subscription version stays in 'pending' status for a tunable amount of time. – Success	RR5-117, RR3-241, RR3-243, RR3-244	B5.1.1, B.5.1.6.4 B.5.1.6.5	
3.5	Old SP creates a subscription version with authorization flag set to FALSE, New SP does not send create, timers (T1 & T2) expire. The NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for both the Old and New SPs. The Final Create Window Expiration notification is sent to both SPs and it contains the cause code. The subscription version stays in 'conflict' status. Verify that the SV status is changed to 'cancelled' after tunable amount of time – Success	RR5-117, RR5-118, RR3-244	B5.1.1, B.5.1.6.4 B.5.1.6.5	
3.6	SOA – Service Provider has the No New SP Concurrence Notification Indicator set to TRUE.	RR5-117,RR	B.7.2	

	Service Provider recovers Final Create Window Expiration notifications during recovery. – Success	6-29		
3.7	SOA – Service Provider has the No New SP Concurrence Notification Indicator set to FALSE. Service Provider **does not** recover Final Create Window Expiration notifications during recovery. – Success	RR3-241, RR6-29	B.7.2	
NANC 294 – Change Due Date Edit Functionality in the NPAC SMS for 7pm on Due Date Problems				
Test Case #	**Test Case Description**	**Req.**	**IIS Flow**	**Test Results/Issues/Comments**
4.1	SOA –Old Service Provider Personnel submit a subscription version Concurrence after 7:00PM EST (the next day GMT but same day local time) using the same due date (GMT) as used in the initial creation by the New Service Provider. – Success	RR5-119	B.5.1.4	
4.2	SOA – Old Service Provider Personnel submit a subscription version Concurrence after 23:59PM (GMT and local time) using the same due date (in GMT) as the New Service Provider specified, which is a date and time for yesterday. – Success	RR5-119	B.5.1.4	
4.3	SOA – New Service Provider Personnel submit a subscription version Create after 7:00PM EST (the next day GMT but same day local time) using the same due date (in GMT) as used in the initial creation by the Old Service Provider..– Success	RR5-119	B.5.1.3	
4.4	SOA – New Service Provider Personnel submit a subscription version Concurrence after 23:59PM (GMT and local time) using the same due date (in GMT) as the Old Service Provider specified, which is a date and time for yesterday. – Success	RR5-119	B.5.1.3	
4.5	SOA – Service Provider Personnel (Old or New) do the initial create of a subscription version after 7:00PM EST where the due date is the current date in local time but the next day in GMT. – Error	RR5-119, R5-18.3	B.5.1.3	
NANC 328 – Tunable for Long and Short Business Days				
Test Case #	**Test Case Description**	**Req.**	**IIS Flow**	**/Issues**
5.1	NPAC and SOA – NPAC Personnel verify that the Long Business Days tunable parameter is defaulted to Sunday through Saturday. NPAC Personnel modify the Long Business Days tunable parameter to a value that does not include today. Both Old SP Port Out and New SP Port In Timers are set to SHORT. New SP Personnel submit an SV Create. Old SP does not concur. After a tunable amount of time the Initial Concurrence Window timer has not expired and the Old SP has not received an OldSP-Concurrence Request notification. NPAC Personnel modify the Long Business Days tunable parameter to a value that does include today. After a tunable amount of time the Initial Concurrence Window timer has expired and the Old SP receives an OldSP-Concurrence Request notification – Success	RR3-233, RR3-234, RR3-235, RR3-236	B.5.1.2 B.5.1.6.2	
5.2	NPAC and SOA – NPAC Personnel verify that the Long Business Days tunable parameter is defaulted	RR3-233,	B.5.1.1 B.5.1.6.5	

	to Sunday through Saturday. NPAC Personnel modify the Long Business Days tunable parameter to a value that does not include today. Both Old SP Port Out and New SP Port In Timers are set to LONG. Old SP Personnel submit an SV Create. New SP does not submit his create. After a tunable amount of time the Initial Concurrence Window timer has not expired and the New SP has not received a NewSP-Create Request notification. NPAC Personnel modify the Long Business Days tunable parameter to a value that does include today. After a tunable amount of time the Initial Concurrence Window timer has expired and the New SP receives a NewSP-Create Request notification – Success	RR3-234, RR3-235, RR3-236		
5.3	NPAC and SOA – NPAC Personnel verify that the Short Business Days tunable parameter is defaulted to Monday through Friday. NPAC Personnel set the Short Business Days tunable parameter to a value that does not include today. Both Old SP Port Out and New SP Port In Timers are set to SHORT. Old SP Personnel submit an SV Create. New SP does not submit his create. After a tunable amount of time the Initial Concurrence Window timer has not expired and the Old SP has not received an OldSP-Create Request notification. NPAC Personnel modify the Short Business Days tunable parameter to a value that does include today. After a tunable amount of time the Initial Concurrence Window timer has expired and the Old SP receives an OldSP-Concurrence Request notification – Success	RR3-229, RR3-230, RR3-231, RR3-232	N/A	
5.4	NPAC and SOA – NPAC Personnel verify that the Short Business Days tunable parameter is defaulted to Monday through Friday. NPAC Personnel set the Short Business Days tunable parameter to a value that does not include today. Both Old SP Port Out and New SP Port In Timers are set to LONG. New SP Personnel submit an SV Create. Old SP does not concur. After a tunable amount of time the Initial Concurrence Window timer has not expired and the Old SP has not received a OldSP-Create Request notification. NPAC Personnel modify the Short Business Days tunable parameter to a value that does include today. After a tunable amount of time the Initial Concurrence Window timer has expired and the Old SP receives an OldSP-Concurrence Request notification – Success	RR3-229, RR3-230, RR3-231, RR3-232	N/A	

NANC 329 – Prioritization for SOA Notifications

Test Case #	Test Case Description	Req.	IIS Flow	Test Results/Issues/Comments
6.1	NPAC and SOA – NPAC Personnel verify the 'SOA Notification Priority' tunable parameter default values for the Service Provider under test (New SP) are set to MEDIUM. New Service Provider Personnel requests NPAC Personnel to modify several of his 'SOA Notification Priority' tunable	RR3-245, RR3-246, RR3-248,	B.5.1.1, B.5.1.1.1 B.5.3.1 B.5.4.1 B.5.4.1.1 B.5.1.5	

	parameter values to NONE then perform activities that would normally result in the NPAC SMS generating the notifications that have been given priorities of NONE. Service Provider verifies that he does not receive notifications. – Success	RR3-249, RR3-250, RR3-247, RR3-252,, R4-8		
6.2	SOA – New Service Provider Personnel verify that they received the notifications according to their SOA Notification Priority settings. – Success	RR3-251, RR3-253		
6.3	SOA – Old Service Provider Personnel verify that they received the notifications according to their SOA Notification Priority settings. – Success	RR3-251, RR3-253		
6.4	NPAC and SOA – Service Provider Personnel send a large number of requests to the NPAC that would result in the NPAC SMS generating notifications with multiple priorities for the Service Provider. The Service Provider then aborts their association before receiving the notifications. After sufficient time has passed for the NPAC SMS to generate all the notifications resulting from the requests the Service Provider re-associates to the NPAC and recovers the missed notifications. Service Provider Personnel verify that they recovered the notifications in order of priority and in the correct format. – Success	RR6-83, RR6-30	B.7.2	
Test Cases for Group Testing				
Test Case #	**Test Case Description**	**Req.**	**IIS Flow**	**Test Results/Issues/Comments**
7.1	SOA - Old SP Personnel create a range of Inter-Service Provider subscription versions. Their Customer TN Range Notification Indicator is set to the value they will use in production. New SP does not submit their create request. Initial and Final Concurrence Windows Expire. – Success	RR3-237, RR3-239, RR5-113, RR5-115, R4-8	B.5.1.1, B.5.1.6.4 B.5.1.6.5	
7.2	SOA – Service Provider Personnel activate a range of 1000 Inter-Service Provider subscription versions. Their Customer TN Range Notification Indicator is set to production value. In the pre-requisite create process the range is submitted as two smaller ranges, each with unique DPC/SSN data but the TNs used in the ranges are contiguous and the SVIDs assigned by the NPAC SMS are contiguous. The activate request is submitted as one range. At least one LSMS does not respond to the activate request, resulting in a partial failure. The re-send is successful. – Success	RR5-113, RR5-116, RR6-81	B.5.1.5, B.5.1.6	
7.3	SOA – Service Provider Personnel activate a range of 500 SVs. Their Customer TN Range Notification	RR5-113,	B5.1.6	

	Indicator is set to production value. In the prerequisite SV create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The activate request is submitted as one range. The activate request results in one notification containing a list of the SVIDs. – Success	RR5-116, RR6-81		
7.4	SOA – Service Provider Personnel perform an immediate disconnect of a range of 500 active SVs. Their Customer TN Range Notification Indicator is set to production value. In the pre-requisite SV create process the range was submitted as two smaller range creates, each with the same feature data and, the SVIDs are contiguous within each range create. The immediate disconnect request is submitted as one range. The immediate disconnect request results in one notification containing a list of the SVIDs. – Success	RR5-113, RR5-116, RR6-81	B.5.4.1, B.5.4.1.1	
7.5	SOA – Current Service Provider Personnel issue a deferred disconnect for a range of 100 'active' subscription versions. Their Customer TN Range Notification Indicator is set to ~~TRUE~~production value. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The deferred disconnect request is submitted as one range. The disconnect-pending request results in one notification containing a list of the SVIDs. – Success	RR5-113, RR5-114, RR5-115, RR6-81	B.5.4.2	
7.6	SOA – New Service Provider Personnel cancel a range of 5000 Inter-Service Provider subscription versions for which the Old Service Provider has not yet concurred to. Their Customer TN Range Notification Indicator is set to production value. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The cancel request is submitted as one range. The cancel request results in one notification containing a list SVIDs. – Success	RR5-113, RR5-115, RR6-81	B5.3.3	
7.7	SOA – Old Service Provider Personnel modify a range of 1000 'pending' Inter-Service Provider subscription versions to change the authorization flag from TRUE to FALSE. Their Customer TN Range Notification Indicator is set to production value. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in	RR5-113, RR5-114, RR5-115, RR6-81	B5.5.1	

	the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The modify request is submitted as one range. The modify request results in one notifications containing a list of the SVIDs. – Success			
7.8	SOA – Service Providers set their Customer TN Range Notification Indicator ~~set~~ to the value they will use in production and ~~they~~ perform a series of activities simultaneously, that emulate a period of time (15 – 30 minutes) in an actual production environment~~: – creates, activates, modifies, activate of Pooled Blocks, delete of Pooled Blocks, disconnects, port of a port, etc~~. NPAC SMS manages notifications accordingly. – Success			
7.9	NPAC and SOA – Service Providers have NPAC Personnel modify their notification priorities to ensure that they ~~all~~ have notifications with ~~the~~ three different priorities (LOW, MEDIUM, and HIGH).~~ and that the priority one SP gives a particular notification is different that the priority given the same notification by another SP. Each SP performs a series of activities that will generate a good mixture of notifications.~~ The Service Providers verify that they receive the notifications according to the priorities listed in their SP Profile. – Success			

Appendix B: Test Plan Issues

Following are issues related to the NPAC Release 3.1 Test Plan:

#	Date	Issue	Status
1	09/05/01	Should NANC 179-5, -8, -15 & NANC 329 test cases be part of Performance & Volume Testing since they are written for large ranges of TNs and notifications	Closed – 9/7/01. Group decided to write a document with new scenarios for the Perf. & Vol. Testing.
2	09/07/01	Need to decide which TCs should be part of Group Testing	Closed – 10/5/01. There were 2 test cases designated as Group Test Cases. The reviewers chose 7 additional test cases from the NANC 179 test cases and discussed modifications. Jean will create a Group Testing section with these test cases and modifications.
3	09/18/01	Do we want to keep a TC list in each chapter or just a master list in a table with a column for the testers to record testing results & comments?	Closed – 9/25/01. See Item 5 below – create master list.
4	09/05/01	Ben to check with Ky to see if LSMS simulator can do NANC 179-6 (TC where one LSMS has a problem activating all TNs in the range and returns an error on some of the TNs)	Open
5	9/25/01	Move the test case list from in front of each section and into an appendix (Appendix A) with a column for test case results/comments.	Closed – 10/19/01 Done
6	10/5/01	Add SP Profile info to front section of test plan including the SOA Notification Priority table	Closed – 10/19/01 Done
7.			
8.			