Local Number Portability
Core Functionality
National Regression Test Plan

Based on NPAC release 1.x Software

Prepared by

Local Number Portability National Test Plan Subcommittee

March 9, 1998

This section will be deleted when v1.0 is actually handed over to the Change Management Administrator
V0.1 – Initial draft of National Regression Test Plan. Includes the following components: Network Data, and Subscription Version test cases. For National Test Plan Subcommittee review.
V0.2 – Draft of National Regression Test Plan. Includes the following components: Network Data, Subscription Version, Audit, NPA Split and Disaster Recovery Test cases. Network Data and Subscription Version test cases include redline comments from initial review (held 2/18/98). For National Test Plan Subcommittee review.
V0.3 – Draft of National Regression Test Plan. Added a Round Robin Test Case. For National Test Plan Subcommittee inspection.
V1.0 – Baseline of National Regression Test Plan. Inspected by National Test Plan Subcommittee.

Publication History

Version	Release Date	Description
V1.0	3/9/1998	Baseline Test Plan - Core Functionality Plan based on NPAC 1.0x software.

Table of Contents

0.0 Preface:

0.1 Purpose of this Document:

The purpose of this document is to identify the Local Number Portability "core" functional software component regression test cases. These test cases are based on NPAC Release 1.x software.

Actual Entrance and Exit criteria for test execution/completion are an agreement between individual Service Providers and the respective NPAC vendor.

0.2 Audience:

The intended audience for this document is for NPAC, SOA and LSMS system testers and anyone who is involved with NPAC, SOA and LSMS testing. It is assumed that individuals using this test plan have an understanding of local number portability, and related specification documents. The test cases are written from the Interface Interoperability Specification perspective so users should have an understanding of this document specifically.

0.3 Contact Information:

Version 1.x of this document was written and reviewed by a group of Service Provider and Vendor volunteers including:

- AT&T
- Ameritech
- Bell South
- Evolving Systems, Inc.
- Illuminet
- Lockheed Martin
- MCI
- Sprint
- Telecom Software Enterprises
- US West
- WorldCom

The Local Number Portability Change Management Administrator maintains this document:

Telecom Software Enterprises

??4 Conventions Used in this Document:

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 numbering scheme]	**Priority:**	[Mandatory or Conditional]
Objective:	[Title specifies relevant systems to the test (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 number is relevant – it is indicated here]
NANC FRS Version Number:	[FRS version indicated here]	**Relevant Requirement(s):**	[relevant requirements from the FRS are indicated here]
NANC IIS Version Number:	[IIS version indicated here]	**Relevant Flow(s):**	[relevant flows from the ISS are indicated here]

C. TIME ESTIMATE

Estimated Execution Time:	[estimate for full execution]	**Estimated Prerequisite Setup Time:**	[estimate for executing all prerequisites]	**Estimated NPAC Setup Time:**	[estimated NPAC prerequisite estimate]	**Estimated SP Setup Time:**	[estimated SP prerequisite estimate]

D. PREREQUISITE

Prerequisite Test Cases:	[if there are relevant prerequisite test cases, they are indicated here]
Prerequisite NPAC Setup:	[explicit NPAC setup steps are indicated here]
Prerequisite SP Setup:	[explicit SP setup steps are indicated here]

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	**Test Step**	**NPAC or SP**	**Expected Result**
1.	[system indicated here]	[test step described here]	[system indicated here]	[expected results associated with this respective test step are indicated here]
2.				
3.				

Test Case Numbering

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

Alpha Pre-Fix	Respective Functional Component
AUD	Audits
DR	Disaster Recovery
ND	Network Data
PERF	Performance
RRBN	Round Robin
SPLIT	NPA Splits
SV	Subscription Versions

Test Case Numbers should always remain static to the test case. When test cases are added to this test plan, the next sequential number should be used. Previously existing test cases should NEVER be re-numbered.

Each test case will have an associated Test Case Priority associated with it. For this document, the writers have decide to use the following priorities for test cases:

- **Mandatory:** This test case represents required functionality and must be executed by each NPAC vendor and Service Provider.

- **Conditional:** This test case represents optional functionality. If a Service Provider has implemented the suggested functionality in the test case, they should execute the test case as written. If there are not any Service Providers that have implemented the functionality, and therefore cannot verify the NPAC behavior, the NPAC should execute the test case with the use of other simulators.

Test Case Estimates have been included as a reference for test plan composition. These are estimates and not guaranteed to represent actual test execution durations.

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

??5 Related Documents:

Version 1.0 of this document references the following documents:

1? North American Numbering Council (NANC)
Functional Requirements Specification
Number Portability Administration Center (NPAC)
Service Management System (SMS)
v1.7

1? NPAC SMS
Interoperable Interface Specification
NANC v1.7

??6 Document Structure:

This document is organized into sections as defined below:

Preface	This section describes the document structure and history of this document.
Section 1.0	Introduction – This section introduces the Local Number Portability National Test Plan Subcommittee, and their objectives.
Appendix A	Issues [indicate open/date and closed/date]
Appendix B	Test Case Matrix
Appendix C	Test Cases
Appendix D	Actual Results and Comments

??1 Introduction:

Section 1.1 describes the objectives this Test Plan is intended to achieve. Section 1.2 describes how this test plan should be used. Section 1.3 describes the scope of this test plan. Section 1.4 provides a information on other objectives of the Local Number Portability National Test Plan Subcommittee and proposed deliverable dates. Section 1.5 describes Change Management for this document.

??2 Objectives:

The Local Number Portability National Test Plan Subcommittee is a group of Service Provider and Vendor participants with the objective of creating National Test Plans to validate NPAC, LSOA and LSMS software functionality.

The Local Number Portability National Regression Test Plan is geared to represent a suite of test cases that when executed will sufficiently regression test and validate the NPAC, LSOA and LSMS systems in the event of a software upgrade on behalf of any of these said systems.

??3 How to Use This Test Plan:

The Local Number Portability National Regression Test Plan is a testing tool. System testers should use this test plan as well as referenced documents from each test case when executing the test cases. Testers should be able to look at a single test case, follow each step and have the respective system tester validate each step with the respective Expected Results indicated in the test case.

If there are any questions in test execution, it is the suggestion of the National Test Plan Subcommittee to contact the Change Management Administrator, and they will facilitate resolution via the National Test Plan Subcommittee.

Testers can use Appendix D: Actual Results and Comments to track test progress.

??4 Scope:

This document reflects core regression test cases based on NPAC release 1.x software. Any subsequent NPAC releases are not guaranteed to be covered by this regression test plan. With each new NPAC release, this test plan should be reviewed and content updated as necessary.

The Local Number Portability National Regression Test Plan Subcommittee recommends that this test plan be executed by NPAC, LSOA and LSMS system testers whenever a new version of any of these systems software is to be introduced into production. Entrance and Exit Criteria for testing and certification, if certification is actually required by the NPAC vendor, is an agreement between individual Service Providers and the respective NPAC vendor. This Test Plan does not speak to any contractual obligations of either an NPAC Vendor or Service Provider in order to participate in Local Number Portability.

??5 Other Deliverables from the Local Number Portability National Test Plan Subcommittee:

The Local Number Portability National Test Plan Subcommittee plans to tackle the following test plan deliverables:

Test Plan	Description	Estimated Availability
NPAC Release 2.x Turn-Up Test Plan	This test plan will include test cases to test new functionality introduced as part of NPAC release 2.x	July 1998
NPAC New Entrant Test Plan	This test plan will include a suite of test cases to be executed by New Entrants to the Local Number Portability environment. This test plan will be based on the currently existing Lockheed Martin Turn-Up Test Plan.	November 1998
NPAC Certified Software, New Service Provider Test Plan	This test plan will contain a set of test cases to be executed by Service Providers that are new to the Local Number Portability environment, but are going to use software that has been previously certified by the NPAC vendor. This test plan will be based on the currently existing Lockheed Martin Turn-Up Test Plan, but will be less extensive than the New Entrant Test Plan	December 1998

??1 Change Management:

The Local Number Portability Change Management Administrator will maintain this document. The most recent version should always be acquired from them.

Appendix A: Test Plan Issues

Following are issues related to the National Regression Test Plan v1.0:

#	Date	Issue	Status
1	2/28/1998	With future releases of NPAC software, the National Regression Test Plan should be reviewed and updated for content of test cases for core functionality.	Open
2	2/27/1998	NPA Split Test cases. There was some concern that the NPA Split functionality is not all part of R1.x of NPAC software, some Service Providers may not have the functionality that reflects the latest NPA Split requirements. Should these test cases be Mandatory or Conditional?	Open
3	2/27/1998	Performance Test cases. There is a Local Number Portability Performance Subcommittee that has formed to address performance issues within the Local Number Portability software environment. We will include test cases to test systems performance that are in synch with this groups efforts.	Open
4	3/4/1998	>From section 1.2 of this document, the following excerpt is in question. Need to identify how questions during testing should be resolved . . . "If there are any questions in test execution, it is the suggestion of the National Test Plan Subcommittee to contact the Change Management Administrator, and they will facilitate resolution via the National Test Plan Subcommittee."	Open
5	3/4/1998	Need to enhance section 1.5 of this document once a Change Management process has been defined.	Open
6	3/4/1998	When the document is complete, need to add page numbers to the Test Case Matrix in Appendix B.	Open

Appendix B: Test Case Matrix

TC Type	TC Id	Priority	Objective	Estimated Execution Time	App C Page #
SP, Network Data	ND_1	Conditional	SOA - Query your own Service Provider Data - Success	7 minutes	1
SP, Network Data	ND_2	Conditional	LSMS - Query your own Service Provider Data - Success	7 minutes	2
SP, Network Data	ND_3	Conditional	SOA - Modify your own Service Provider Data - Success	7 minutes	3
SP, Network Data	ND_4	Conditional	LSMS - Modify your own Service Provider Data - Success	7 minutes	5
SP, Network Data	ND_5	Conditional	SOA - Create non-existing NPA-NXX - Success	7 minutes	7
SP, Network Data	ND_6	Conditional	LSMS - Create non-existing NPA-NXX - Success	7 minutes	9
SP, Network Data	ND_7	Conditional	SOA - Delete an existing NPA-NXX - Success	7 minutes	11
SP, Network Data	ND_8	Conditional	LSMS - Delete an existing NPA-NXX - Success	7 minutes	13
SP, Network Data	ND_9	Conditional	SOA - Create an LRN that does not already exist - Success	7 minutes	15
SP, Network Data	ND_10	Conditional	LSMS - Create an LRN that does not already exist - Success	7 minutes	16
SP, Network Data	ND_11	Conditional	SOA - Delete an LRN that already exists - Success	7 minutes	17
SP, Network Data	ND_12	Conditional	LSMS - Delete an LRN that already exists - Success	7 minutes	18

TC Type	TC Id	Priority	Objective	Estimated Execution	App C Page #

				Time	
Subscription Version	SV_1	Mandatory	Old SOA Initiates Subscription Version Create, Single TN, Inter Port, First Use NPA-NXX	30 minutes	19
Subscription Version	SV_2	Mandatory	New SOA Second Create Subscription Version, Single TN, Inter Port	20 minutes	21
Subscription Version	SV_3	Mandatory	New SOA Initiates Subscription Version Create, Single TN, Inter Port, Ported TN, Old SOA does not concur before Final Window expires	30 minutes	23
Subscription Version	SV_4	Mandatory	New SOA Initiates Subscription Version Create, Single TN, Inter Port, Ported TN, Old Service Provider concurs after Initial Window.	30 minutes	26
Subscription Version	SV_5	Mandatory	Old SOA Second Create subscription version, Single TN, Inter Port, Ported TN	20 minutes	28
Subscription Version	SV_6	Mandatory	New SOA Initiates Subscription Version Create, Single TN, Inter Port, PTO, Ported TN, Old SOA concurs before Initial Window.	30 minutes	30
Subscription Version	SV_7	Mandatory	Old SOA Second Create Subscription Version, Single TN, Inter Port, PTO, Ported TN	20 minutes	32
Subscription Version	SV_8	Mandatory	New SOA Initiates Modify Due Date prior to Activation, Single TN, Previous Port Exists	20 minutes	34
Subscription Version	SV_9	Mandatory	Old SOA Initiates Modify Due Date prior to Activation, Single TN, Previous Port Exists	20 minutes	36
Subscription Version	SV_10	Mandatory	Old SOA Initiates Modify Authorization = False, prior to Activation, Single TN, Previous Port Exists	20 minutes	38
Subscription Version	SV_11	Mandatory	New SOA Initiates Conflict Removal, Single TN, Previous Port Exists	20 minutes	40
Subscription Version	SV_12	Mandatory	Old [or New] Service Provider Cancels Pending Subscription Version Before Other Service Provider Concurs, Single TN, Inter Port, Previous Port Exists.	20 minutes	41
Subscription Version	SV_13	Mandatory	Old Service Provider Cancels Pending Subscription Version After New Service Provider Concurs, Single TN, Inter Port, Previous Port Exists	30 minutes	43
Subscription Version	SV_14	Mandatory	New Service Provider Cancels Pending Subscription Version After Old Service Provider Concurs, Single TN, Inter Port, Previous Port Exists	30 minutes	45
Subscription Version	SV_15	Mandatory	New Service Provider Cancels Pending Subscription Version After Old Service Provider Concurs, Single TN, Inter Port, Previous Port Exists, Old Service Provider no Cancel Acknowledgment.	30 minutes	47
Subscription Version	SV_16	Mandatory	Old Service Provider Cancels Pending Subscription Version After New Service Provider Concurs, Single TN, Inter Port, Previous Port Exists, New Service Provider no Cancel Acknowledgment.	30 minutes	49
Subscription Version	SV_17	Mandatory	DELETE THIS TEST: Duplicate [New Service Provider Cancel Single TN Before Old Service Provider Concurs, Inter Port, Previous Port Exists]	DELETED	

TC Type	TC Id	Priority	Objective	Estimated Execution	App C Page #

				Time	
Subscription Version	SV_18	Mandatory	New SP SOA Activates a Single TN, Inter Port, Success	20-30 minutes	52
Subscription Version	SV_19	Mandatory	New/Current SP SOA Activates a Single TN, Intra Port, Success	20-30 minutes	54
Subscription Version	SV_20	Mandatory	New SP SOA Activates a Single TN, Port-To-Original, Success	20-30 minutes	56
Subscription Version	SV_21	Mandatory	New SP SOA Activates a Single TN, Port-To-Original, Partial Failure and NPAC resend	20-30 minutes	58
Subscription Version	SV_22	Mandatory	New SP SOA Activates a Single TN, Inter Port, Partial Failure and NPAC resend	20-30 minutes	62
Subscription Version	SV_23	Mandatory	Current SP SOA Immediate Disconnect of a Single TN, Active SV, Success	20-30 minutes	64
Subscription Version	SV_24	Mandatory	Current SP SOA Deferred Disconnect of a Single TN, Active SV, Success	20-30 minutes	66
Subscription Version	SV_25	Mandatory	Current SP SOA Deferred Disconnect of a Single TN, Active SV, Partial Failure and NPAC resend	20-30 minutes	68
Subscription Version	SV_26	Conditional	New SOA Initiates Create SV, Range of TNs, Inter Port, Success	20-30 minutes	71
Subscription Version	SV_27	Conditional	New SOA Initiates Modify Pending SV, Range of TNs, Inter Port, Success	20-30 minutes	73
Subscription Version	SV_28	Conditional	New SP SOA Activates a Range of TNs, Inter Port, Success	20-30 minutes	75
Subscription Version	SV_29	Conditional	Current SP SOA Immediate Disconnect of a Range of TNs, Active SVs, Success	20-30 minutes	77
Subscription Version	SV_30	Conditional	SP SOA SV Query	20-30 minutes	30
Subscription Version	SV_31	Conditional	SP LSMS SV Query	20-30 minutes	31

TC Type	TC Id	Priority	Objective	Estimated Execution Time	App C Page #

Audit	AUD_1	Conditional	SOA Initiates Full Audit (all data attributes), Single TN, No Discrepancies	15 minutes	81
Audit	AUD_2	Mandatory	NPAC Initiates Full Audit (all data attributes), Single TN, No Discrepancies	15 minutes	83
Audit	AUD_3	Conditional	SOA Initiates Full Audit (all data attributes), Range TN, No Discrepancies	15 minutes	85
Audit	AUD_4	Conditional	SOA Initiates Partial Audit (some data attributes), Range TN, With Discrepancies	15 minutes	87
Audit	AUD_5	Conditional	SOA Initiates Partial Audit (some data attributes), Single TN, With Discrepancies	30 minutes	89
Audit	AUD_6	Mandatory	NPAC Initiates Partial Audit (some data attributes), Single TN, With Discrepancies	30 minutes	91
Audit	AUD_7	Mandatory	NPAC Initiates Partial Audit (some data attributes), Range TN, With Discrepancies	30 minutes	93

NPA-NXX Split	split_1	Conditional	SOA - Acting as the Old SP, Create Subscription Version using Old NPA-NXX involved in a NPA-Split, during permissive dial period	25 minutes	95
NPA-NXX Split	split_2	Conditional	SOA - Acting as Old SP, Create Subscription Version using New NPA-NXX involved in a NPA-Split, during permissive dial period	25 minutes	97
NPA-NXX Split	split_3	Conditional	SOA - Acting as Old SP, Activate Subscription Version using Old NPA-NXX involved in a NPA-Split, during permissive dial period	30 minutes	99
NPA-NXX Split	split_4	Conditional	SOA - Current SP, modify Active Subscription Version using Old NPA-NXX involved in a NPA-Split, during permissive dial period	35 minutes	102
NPA-NXX Split	split_5	Conditional	SOA - Current SP, modify Active Subscription Version using New NPA-NXX involved in a NPA-Split, during permissive dial period - Success	35 minutes	104

Disaster Recovery	DR_1	Mandatory	Scheduled NPAC Switchover from Primary to Backup System	1 hour	106
Disaster Recovery	DR_2	Mandatory	Unscheduled Outage of the Primary NPAC	1 hour	108
Disaster Recovery	DR_3	Mandatory	Automatic resynchronization of Local SMS (short LSMS down time)	30 minutes	110

Round Robin	RRBN_1	Mandatory	Each Service Provider [SP1, SP2, ... SPn] Ports a Single TN until the TN is Ported back to the Original Service Provider [SP1].	2 hours	112

Appendix C: Regression Turn-Up Test Cases

Network Data Test Cases:

A. TEST IDENTITY

Test Case Number:	**ND_1**	**Priority:**	Conditional
Objective:	SOA - Query your own Service Provider Data– Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	V1.7	**Relevant Requirement(s):**	R4-5.1, R4-5.2, R4-24.1, R4-25, R4-26.2, R4-27, R4-29
NANC IIS Version Number:	V1.7	**Relevant Flow(s):**	6.3.7

C. TIME ESTIMATE

Estimated Execution Time:	[7 minutes]	**Estimated Prerequisite Setup Time:**	[0 minutes]	**Estimated NPAC Setup Time:**	[2 minutes]	**Estimated SP Setup Time:**	[2 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	None.
Prerequisite NPAC Setup:	1? Verify that the respective Service Provider data exists on the NPAC.
2? **Prerequisite SP Setup:**	3? Your Service Provider Data must exist on the NPAC.

4?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1?	SP	Using the SOA, submit a request to the NPAC to query for your own Service Provider information.	SP	M-GET Request for the serviceProv object sent over the SOA to NPAC interface.
2?	NPAC	NPAC SMS receives the M-GET request for the serviceProv object over the SOA to NPAC interface.	NPAC	NPAC SMS verifies the service provider information to be retrieved is owned by the SP that initiated the request.
3?	NPAC	NPAC SMS sends the requested SP information back via an M-GET response on the serviceProv object to the SOA that initiated the request.	SP	SOA system receives the M-GET response for the serviceProv object over the SOA to NPAC interface.

A. TEST IDENTITY

Test Case Number:	**ND_2**	**Priority:**	Conditional
Objective:	LSMS - Query your own Service Provider Data– Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	V1.7	**Relevant Requirement(s):**	R4-5.1, R4-5.2, R4-24.1, R4-25, R4-26.2, R4-27, R4-29
NANC IIS Version Number:	V1.7	**Relevant Flow(s):**	6.3.6

C. TIME ESTIMATE

Estimated Execution Time:	[7 minutes]	**Estimated Prerequisite Setup Time:**	[0 minutes]	**Estimated NPAC Setup Time:**	[2 minutes]	**Estimated SP Setup Time:**	[2 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	None.
Prerequisite NPAC Setup:	1? Verify that the respective Service Provider data exists on the NPAC.
Prerequisite SP Setup:	3? Your Service Provider Data must exist on the NPAC.

2?

4?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the LSMS, submit a request to the NPAC to query for your own Service Provider information.	SP	M-GET Request for the serviceProv object sent over the LSMS to NPAC interface.
2.	NPAC	NPAC SMS receives the M-GET request for the serviceProv object over the LSMS to NPAC interface.	NPAC	NPAC SMS verifies the service provider information to be retrieved is owned by the SP that initiated the request.
3.	NPAC	NPAC SMS sends the requested SP information back via an M-GET response on the serviceProv object to the LSMS that initiated the request.	SP	LSMS system receives the M-GET response for the serviceProv object over the LSMS to NPAC interface.

A. TEST IDENTITY

Test Case Number:	**ND_3**	**Priority:**	Conditional
Objective:	SOA - Modify your own Service Provider Data– Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	V1.7	**Relevant Requirement(s):**	R4-13,R4-15.2, R4-16
NANC IIS Version Number:	V1.7	**Relevant Flow(s):**	6.3.5

C. TIME ESTIMATE

Estimated Execution Time:	[7 minutes]	**Estimated Prerequisite Setup Time:**	[0 minutes]	**Estimated NPAC Setup Time:**	[2 minutes]	**Estimated SP Setup Time:**	[2 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	None.
Prerequisite NPAC Setup:	1? Verify that the respective Service Provider data to be modified exists on the NPAC and there is a valid association via the SOA to the NPAC. 2? Verify that one or more LSMS interface association(s) is(are) established with the NPAC.
3? Prerequisite SP Setup:	4? Your Service Provider Data must exist on the NPAC.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1??	SP	Using the SOA, modify the following information for the Operations Contact: City, State, Zip, Contact Phone, Contact Pager, contact email Submit the modification request to the NPAC via the SOA to NPAC interface.	SP	M-SET Request for the serviceProv object is sent over the SOA to NPAC interface.
2??	NPAC	The NPAC SMS receives the M-SET Request for the serviceProv object.	NPAC	The NPAC does the following verification: • Insures the Service Provider that initiated the M-SET Request is the same Service Provider for the information to be modified. • Validates the data format of the data to be modified.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1??	NPAC	The serviceProv object is modified locally by the NPAC SMS.	NPAC	An M-SET Response is sent over the NPAC to SOA interface notifying the SOA that the NPAC successfully received the modification request.
2??	NPAC	a. NPAC SMS sends an M-SET Request for the serviceProvNetwork object over the NPAC to LSMS interface to all Local SMSs.	SP LSMSs	All LSMSs respond to the NPAC request via an M-SET Response over the LSMS to NPAC interface.

A. TEST IDENTITY

Test Case Number:	**ND_4**	**Priority:**	Conditional
Objective:	LSMS - Modify your own Service Provider Data– Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	V1.7	**Relevant Requirement(s):**	R4-13,R4-15.2, R4-16
NANC IIS Version Number:	V1.7	**Relevant Flow(s):**	6.3.4

C. TIME ESTIMATE

Estimated Execution Time:	[7 minutes]	**Estimated Prerequisite Setup Time:**	[0 minutes]	**Estimated NPAC Setup Time:**	[2 minutes]	**Estimated SP Setup Time:**	[2 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	None.
Prerequisite NPAC Setup:	1? Verify that the respective Service Provider data to be modified exists on the NPAC and there is a valid association via the LSMS to the NPAC. 2? Verify that one or more LSMS interface association(s) is(are) established with the NPAC.
3? Prerequisite SP Setup:	4? Your Service Provider Data must exist on the NPAC.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the LSMS, modify the following information for the Operations Contact: City, State, Zip, Contact Phone, Contact Pager, contact email Submit the modification request to the NPAC via the LSMS to NPAC interface.	SP	M-SET Request for the serviceProv object is sent over the LSMS to NPAC interface.
2.	NPAC	The NPAC SMS receives the M-SET Request for the serviceProv object.	NPAC	The NPAC does the following verification: • Insures the Service Provider that initiated the M-SET Request is the same Service Provider for the information to be modified • Validates the data format of the data to be modified.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
3.	NPAC	The serviceProv object is modified locally by the NPAC SMS.	NPAC	An M-SET Response is sent over the NPAC to LSMS interface notifying the LSMS that the NPAC successfully received the modification request.
4.	NPAC	b. NPAC SMS sends an M-SET Request for the serviceProvNetwork object over the NPAC to LSMS interface to all Local SMSs.	SP LSMSs	All LSMSs respond to the NPAC request via an M-SET Response over the LSMS to NPAC interface.

A. TEST IDENTITY

Test Case Number:	**ND_5**	**Priority:**	Conditional
Objective:	SOA – Create non-existing NPA-NXX - Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	V1.7	**Relevant Requirement(s):**	R3-9, R3-10, RX3-1.1, RR3-8
NANC IIS Version Number:	V1.7	**Relevant Flow(s):**	6.4.1.4

C. TIME ESTIMATE

Estimated Execution Time:	[7 minutes]	**Estimated Prerequisite Setup Time:**	[0 minutes]	**Estimated NPAC Setup Time:**	[2 minutes]	**Estimated SP Setup Time:**	[2 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	None.
Prerequisite NPAC Setup:	1? Respective Service Provider exists on NPAC with valid associations for SOA and LSMS 2? Verify that one or more LSMS interface association(s) is(are) established with the NPAC. 3? The NPA-NXX that the Service Provider is going to add does not already exist on the NPAC.
4? Prerequisite SP Setup:	5? Your Service Provider object exists on the NPAC 6? The NPA-NXX you are going add does not already exist.

7?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, create an NPA-NXX that is not already open for porting and submit the request to the NPAC.	SP	The SOA will send a M-Create request to the NPAC for the serviceProvNPA-NXX object.
2.	NPAC	The NPAC SMS receives the M-Create request from the SOA.	NPAC	The serviceProvNPA-NXX object is created locally by the NPAC SMS for the given service provider.
3.	NPAC	The NPAC SMS sends an M-Create for the serviceProvNPA-NXX object to all LSMSs for which a serviceproviderObject exists on the NPAC.	NPAC	The M-Create request is received by each LSMS for which there is an active association to the NPAC and the serviceProvNPA-NXX object persists. When this is successful, an M-Create reply is sent from each LSMS back to the NPAC SMS.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
4.	NPAC	NPAC SMS sends a M-Create reply indicating the successful NPA-NXX creation to the original SOA.		
5.	NPAC	NPAC system updates the following information on the web: the service provider the NPA-NXX to be opened for portability the effective date for which the NPA-NXX will be open for portability in the network.		

A. TEST IDENTITY

Test Case Number:	**ND_6**	**Priority:**	Conditional
Objective:	LSMS – Create non-existing NPA-NXX - Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	V1.7	**Relevant Requirement(s):**	R3-9, R3-10, RX3-1.1, RR3-8
NANC IIS Version Number:	V1.7	**Relevant Flow(s):**	6.4.1.3

C. TIME ESTIMATE

Estimated Execution Time:	[7 minutes]	**Estimated Prerequisite Setup Time:**	[0 minutes]	**Estimated NPAC Setup Time:**	[2 minutes]	**Estimated SP Setup Time:**	[2 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	None.
Prerequisite NPAC Setup:	1? Respective Service Provider exists on NPAC with valid associations for SOA and LSMS 2? Verify that one or more LSMS interface association(s) is(are) established with the NPAC. 3? The NPA-NXX that the Service Provider is going to add does not already exist on the NPAC.
Prerequisite SP Setup:	5? Your Service Provider object exists on the NPAC 6? The NPA-NXX you are going add does not already exist.

4?

7?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the LSMS, create an NPA-NXX that is not already open for porting and submit the request to the NPAC.	SP	The LSMS will send a M-Create request to the NPAC for the serviceProvNPA-NXX object.
2.	NPAC	The NPAC SMS receives the M-Create request from the LSMS.	NPAC	The serviceProvNPA-NXX object is created locally by the NPAC SMS for the given service provider.
3.	NPAC	The NPAC SMS sends an M-Create for the serviceProvNPA-NXX object to all LSMSs for which a serviceproviderObject exists on the NPAC.	NPAC	The M-Create request is received by each LSMS for which there is an active association to the NPAC and the serviceProvNPA-NXX object persists. When this is successful, an M-Create reply is sent from each LSMS back to the NPAC SMS.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
4.	NPAC	NPAC SMS sends a M-Create reply indicating the successful NPA-NXX creation to the original LSMS that sent the request.		
5.	SP	Notify NPAC Personnel with the following information: the service provider the NPA-NXX to be opened for portability the effective date for which the NPA-NXX will be open for portability in the network.	NPAC	NPAC personnel update the NPAC website with the following information: the service provider the NPA-NXX to be opened for portability the effective date for which the NPA-NXX will be open for portability in the network.

A. TEST IDENTITY

Test Case Number:	**ND_7**	**Priority:**	Conditional
Objective:	SOA – Delete an existing NPA-NXX - Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	V1.7	**Relevant Requirement(s):**	R3-9, RX3-3.1, RR3-1, RR3-2
NANC IIS Version Number:	V1.7	**Relevant Flow(s):**	6.4.1.6

C. TIME ESTIMATE

Estimated Execution Time:	[7 minutes]	**Estimated Prerequisite Setup Time:**	[0 minutes]	**Estimated NPAC Setup Time:**	[2 minutes]	**Estimated SP Setup Time:**	[2 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	ND_5
Prerequisite NPAC Setup:	1? Respective Service Provider exists on NPAC with valid associations for SOA and LSMS 2? Verify that one or more LSMS interface association(s) is(are) established with the NPAC. 3? The NPA-NXX that the Service Provider is going to delete exists on the NPAC. 4? There are not any subscription versions in a status other than "old" or "canceled" with the NPA-NXX that the Service Provider is going delete.
5? **Prerequisite SP Setup:**	6? Your Service Provider object exists on the NPAC 7? The NPA-NXX you are going delete is open for porting 8? There are not any subscription version in a status other than "old" or "canceled" with the NPA-NXX that you are going to delete

9?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, delete an NPA-NXX that is open for porting and submit the request to the NPAC.	SP	The SOA will send a M-Delete request to the NPAC for the serviceProvNPA-NXX object.
2.	NPAC	The NPAC SMS receives the M-Delete request from the SOA.	NPAC	The serviceProvNPA-NXX object is deleted locally by the NPAC SMS for the given service provider.
3?	NPAC	The NPAC SMS sends an acknowledgement to the M-Delete request to the Service Provider SOA that sent the Delete request for the NPA-NXX.		

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
3?	NPAC	The NPAC SMS sends an M-Delete for the serviceProvNPA-NXX object to all LSMSs for which a serviceproviderObject exists on the NPAC.	NPAC	The M-Delete request is received by each LSMS for which there is an active association to the NPAC and the serviceProvNPA-NXX object persists. When this is successful, an M-Delete reply is sent from each LSMS back to the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**ND_8**	**Priority:**	Conditional
Objective:	LSMS – Delete an existing NPA-NXX - Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	V1.7	**Relevant Requirement(s):**	R3-9, RX3-3.1, RR3-1, RR3-2
NANC IIS Version Number:	V1.7	**Relevant Flow(s):**	6.4.1.5

C. TIME ESTIMATE

Estimated Execution Time:	[7 minutes]	**Estimated Prerequisite Setup Time:**	[0 minutes]	**Estimated NPAC Setup Time:**	[2 minutes]	**Estimated SP Setup Time:**	[2 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	ND_6
Prerequisite NPAC Setup:	1? Respective Service Provider exists on NPAC with valid associations for SOA and LSMS 2? Verify that one or more LSMS interface association(s) is(are) established with the NPAC. 3? The NPA-NXX that the Service Provider is going to delete exists on the NPAC. 4? There are not any subscription versions in a status other than "old" or "canceled" with the NPA-NXX that the Service Provider is going delete.
5? **Prerequisite SP Setup:**	6? Your Service Provider object exists on the NPAC 7? The NPA-NXX you are going delete is open for porting 8? There are not any subscription version in a status other than "old" or "canceled" with the NPA-NXX that you are going to delete

9?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1?	SP	Using the LSMS, delete an NPA-NXX that is open for porting and submit the request to the NPAC.	SP	The LSMS will send a M-Delete request to the NPAC for the serviceProvNPA-NXX object.
2?	NPAC	The NPAC SMS receives the M-Delete request from the LSMS.	NPAC	The serviceProvNPA-NXX object is deleted locally by the NPAC SMS for the given service provider.
3?	NPAC	The NPAC SMS sends an acknowledgement to the M-Delete request to the Service Provider LSMS that sent the Delete request for the NPA-NXX.		

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1?	NPAC	The NPAC SMS sends an M-Delete for the serviceProvNPA-NXX object to all LSMSs for which a serviceproviderObject exists on the NPAC.	NPAC	The M-Delete request is received by each LSMS for which there is an active association to the NPAC and the serviceProvNPA-NXX object persists. When this is successful, an M-Delete reply is sent from each LSMS back to the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**ND_9**	**Priority:**	Conditional
Objective:	SOA – Create an LRN that does not already exist - Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	V1.7	**Relevant Requirement(s):**	R3-9, RX3-3.2, RR3-1, RR3-2
NANC IIS Version Number:	V1.7	**Relevant Flow(s):**	6.4.2.2

C. TIME ESTIMATE

Estimated Execution Time:	[7 minutes]	**Estimated Prerequisite Setup Time:**	[0 minutes]	**Estimated NPAC Setup Time:**	[2 minutes]	**Estimated SP Setup Time:**	[2 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	None.
Prerequisite NPAC Setup:	1? Respective Service Provider exists on NPAC with valid associations for SOA and LSMS 2? Verify that one or more LSMS interface association(s) is(are) established with the NPAC. 3? The LRN that the Service Provider is going to create does not already exists on the NPAC.
4? **Prerequisite SP Setup:**	5? Your Service Provider object exists on the NPAC 6? The LRN you are going to create does not already exit.

7?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1?	SP	Using the SOA, create an LRN that does not already exist and submit the request to the NPAC.	SP	The SOA will send a M-Create request to the NPAC for the serviceProvLRN object.
2?	NPAC	The NPAC SMS receives the M-Create request from the SOA.	NPAC	The serviceProvLRN object is deleted locally by the NPAC SMS for the given service provider.
3.	NPAC	The NPAC SMS sends an M-Create for the serviceProvLRN object to all LSMSs for which a serviceproviderObject exists on the NPAC.	NPAC	The M-Create request is received by each LSMS for which there is an active association to the NPAC and the serviceProvLRN object persists. When this is successful, an M-Create reply is sent from each LSMS back to the NPAC SMS.
4.	NPAC	NPAC SMS sends a M-Create reply indicating the successful LRN creation to the original SOA.		

A. TEST IDENTITY

Test Case Number:	**ND_10**	**Priority:**	Conditional
Objective:	LSMS – Create an LRN that does not already exist - Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	V1.7	**Relevant Requirement(s):**	R3-9, RX3-3.2, RR3-1, RR3-2
NANC IIS Version Number:	V1.7	**Relevant Flow(s):**	6.4.2.6

C. TIME ESTIMATE

Estimated Execution Time:	[7 minutes]	**Estimated Prerequisite Setup Time:**	[0 minutes]	**Estimated NPAC Setup Time:**	[2 minutes]	**Estimated SP Setup Time:**	[2 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	None.
Prerequisite NPAC Setup:	1? Respective Service Provider exists on NPAC with valid associations for SOA and LSMS 2? Verify that one or more LSMS interface association(s) is(are) established with the NPAC. 3? The LRN that the Service Provider is going to create does not already exists on the NPAC.
4? **Prerequisite SP Setup:**	5? Your Service Provider object exists on the NPAC 6? The LRN you are going to create does not already exit.

7?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1?	SP	Using the LSMS, create an LRN that does not already exist and submit the request to the NPAC.	SP	The LSMS will send a M-Create request to the NPAC for the serviceProvLRN object.
2?	NPAC	The NPAC SMS receives the M-Create request from the LSMS.	NPAC	The serviceProvLRN object is created locally by the NPAC SMS for the given service provider.
3?	NPAC	The NPAC SMS sends an M-Create for the serviceProvLRN object to all LSMSs for which a serviceproviderObject exists on the NPAC.	NPAC	The M-Create request is received by each LSMS for which there is an active association to the NPAC and the serviceProvLRN object persists. When this is successful, an M-Create reply is sent from each LSMS back to the NPAC SMS.
4?	NPAC	NPAC SMS sends a M-Create reply indicating the successful LRN creation to the original LSMS.		

A. TEST IDENTITY

Test Case Number:	**ND_11**	**Priority:**	Conditional
Objective:	SOA – Delete an LRN that already exists - Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	V1.7	**Relevant Requirement(s):**	R3-9, RX3-3.2, RR3-1, RR3-2
NANC IIS Version Number:	V1.7	**Relevant Flow(s):**	6.4.2.3

C. TIME ESTIMATE

Estimated Execution Time:	[7 minutes]	**Estimated Prerequisite Setup Time:**	[0 minutes]	**Estimated NPAC Setup Time:**	[2 minutes]	**Estimated SP Setup Time:**	[2 minutes]

D. PREREQUISITE

	Prerequisite Test Cases:	ND_9
	Prerequisite NPAC Setup:	1? Respective Service Provider exists on NPAC with valid associations for SOA and LSMS 2? Verify that one or more LSMS interface association(s) is(are) established with the NPAC. 3? The LRN that the Service Provider is going to delete exists on the NPAC. 4? There are not any subscription versions in a status other than "old" or "canceled" with the LRN that the Service Provider is going delete.
5?	**Prerequisite SP Setup:**	6? Your Service Provider object exists on the NPAC 7? The LRN you are going delete exists 8? There are not any subscription version in a status other than "old" or "canceled" with the LRN that you are going to delete

9?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1?	SP	Using the SOA, delete an LRN that exists and submit the request to the NPAC.	SP	The SOA will send a M-Delete request to the NPAC for the serviceProvLRN object.
2?	NPAC	The NPAC SMS receives the M-Delete request from the SOA.	NPAC	The serviceProvLRN object is deleted locally by the NPAC SMS for the given service provider.
3?	NPAC	The NPAC SMS sends an acknowledgement to the M-Delete request to the Service Provider SOA that sent the Delete request for the LRN.		
4?	NPAC	The NPAC SMS sends an M-Delete for the serviceProvLRN object to all LSMSs for which a serviceproviderObject exists on the NPAC.	NPAC	The M-Delete request is received by each LSMS for which there is an active association to the NPAC and the serviceProvLRN object persists. When this is successful, an M-Delete reply is sent from each LSMS back to the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**ND_12**	**Priority:**	Conditional
Objective:	LSMS – Delete an LRN that already exists - Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	V1.7	**Relevant Requirement(s):**	R3-9, RX3-3.2, RR3-1, RR3-2
NANC IIS Version Number:	V1.7	**Relevant Flow(s):**	6.4.2.7

C. TIME ESTIMATE

Estimated Execution Time:	[7 minutes]	**Estimated Prerequisite Setup Time:**	[0 minutes]	**Estimated NPAC Setup Time:**	[2 minutes]	**Estimated SP Setup Time:**	[2 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	ND_10
Prerequisite NPAC Setup:	1? Respective Service Provider exists on NPAC with valid associations for SOA and LSMS 2? Verify that one or more LSMS interface association(s) is(are) established with the NPAC. 3? The LRN that the Service Provider is going to delete exists on the NPAC. 4? There are not any subscription versions in a status other than "old" or "canceled" with the LRN that the Service Provider is going delete.
5? **Prerequisite SP Setup:**	6? Your Service Provider object exists on the NPAC 7? The LRN you are going delete exists 8? There are not any subscription version in a status other than "old" or "canceled" with the LRN that you are going to delete

9?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1?	SP	Using the LSMS, delete an LRN that exists and submit the request to the NPAC.	SP	The LSMS will send a M-Delete request to the NPAC for the serviceProvLRN object.
2?	NPAC	The NPAC SMS receives the M-Delete request from the LSMS.	NPAC	The serviceProvLRN object is deleted locally by the NPAC SMS for the given service provider.
3?	NPAC	The NPAC SMS sends an acknowledgement to the M-Delete request to the Service Provider LSMS that sent the Delete request for the LRN.		
4?	NPAC	The NPAC SMS sends an M-Delete for the serviceProvLRN object to all LSMSs for which a serviceproviderObject exists on the NPAC.	NPAC	The M-Delete request is received by each LSMS for which there is an active association to the NPAC and the serviceProvLRN object persists. When this is successful, an M-Delete reply is sent from each LSMS back to the NPAC SMS.

Subscription Version Test Cases:

A. TEST IDENTITY

Test Case Number:	SV_1	**Priority:**	Mandatory
Objective:	Old SOA Initiates Subscription Version Create, Single TN, Inter Port, First Use NPA-NXX		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.1.1, 6.5.1.6.4

C. TIME ESTIMATE

Estimated Execution Time:	30 minutes	**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**	5 minutes	**Estimated SP Setup Time:**	5 minutes

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	1? Old Service Provider owns the NPA-NXX that is open for porting. 2? This is the First Use of the NPA-NXX. 3? New Service Provider is associated with the valid LRN.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	Old SOA	Old SOA initiates a new subscription version M-Create with valid attributes: • subscriptionTN • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionLNPType	NPAC	1? NPAC receives the valid request from Old SOA. 2? NPAC creates the subscriptionVersionNPAC object. 3? NPAC sets status to "pending" 4? NPAC sets the subscriptionOldSP-AuthorizationTimeStamp and subscriptionModifiedTimeStamp. 5? NPAC sends action reply with success.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2.	NPAC	NPAC sends M-Event Report to Old SOA and New SOA with an object creation notification containing: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSp-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionVersionStatus • subscription version id	Old SOA; New SOA	1? Old SOA receives the object creation notification. 2? Old Service Provider's database reflects the correct subscription version information, including status = pending. 3? Old SOA confirms the M-Event Report. 4? New SOA receives the object creation notification. 5? New Service Provider's database reflects the correct subscription version information, including status = 6? pending. 7? New SOA confirms the M-Event Report.
3.	NPAC	NPAC verifies First Use of NPA-NXX.. NPAC sends the New NPA-NXX M-Event Report to inform the accepting LSMSs.	All LSMS	All accepting LSMSs confirm the M-Event Report.
4.	NPAC	NPAC sends the New NPA-NXX M-Event Report to inform the Old SOA and New SOA.	Old SOA; New SOA	8? Old SOA confirms the M-Event Report. 9? New SOA confirms the M-Event Report.
5	NPAC	• NPAC sets the Initial Concurrence Window timer and waits for New SOA to concur. • Initial Window expires. NPAC sets Final Concurrence Window. • Then NPAC sends to New SOA the subscription Version New SP Create Request Notification: • TN, • subscription version id, • Old SP id, • Old SP due date, • Old SP Authorization, • Old SP Authorization time stamp, • Status Change Cause Code.	New SOA	10?This step sets up the condition for next Test Case SV_2. 11?See Test Case SV_2 where New SOA sends a concurrence or "second" subscription version M-Create. See Test Case SV_2. 12?If New SOA does not send in concurrence before Final Window, then NPAC will cancel subscription version. See Test Case for cancellation.

A. TEST IDENTITY

Test Case Number:	SV_2	**Priority:**	Mandatory
Objective:	New SOA Second Create Subscription Version, Single TN, Inter Port		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.1.3, 6.5.1.6.4

C. TIME ESTIMATE

Estimated Execution Time:	20 minutes	**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**	5 minutes	**Estimated SP Setup Time:**	5 minutes

D. PREREQUISITE

Prerequisite Test Cases:	Test Case SV_1. Old SOA has initiated subscription version create. NPAC's Final Concurrence Window timer has not expired.
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1-a	New SOA	New SOA sends 2nd subscription version M-Create request with valid attributes: • subscriptionTN • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionNewSP-DueDate • subscriptionLNPType • subscriptionPortingToOriginal-SP Switch	NPAC	1? NPAC receives the valid request from New SOA. 2? NPAC sets the subscriptionModifiedTimeStamp, subscriptionCreationTimeStamp, and all data specified in the M-ACTION. 3? NPAC sends M-ACTION reply with success.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1-b	New SOA	[continued from previous page] For Not Porting to Original port: • subscriptionLRN • subscriptionCLASS-DPC • subscriptionCLASS-SSN • subscriptionLIDB-DPC • subscriptionLIDB-SSN • subscriptionCNAM-DPC • subscriptionCNAM-SSN • subscriptionISVM-DPC • subscriptionISVM-SSN Optional attributes: • subscriptionEndUserLocationValue • subscriptionEndUserLocationType • subscriptionBillingId		
2	NPAC	NPAC sends to Old SOA an M-Event Report when the subscriptionNewSP-DueDate changes value: • subscriptionNewSP-DueDate • subscriptionNewSP-CreationTimeStamp	Old SOA	Old SOA issues M-Event Report confirmation.
3	NPAC	NPAC sends to New SOA an M-Event Report for all attributes updated from the preceding list of modifiable attributes in addition to: • subscriptionNewSP-DueDate • subscriptionNewSP-CreationTimeStamp	New SOA	New SOA issues M-Event Report confirmation.

A. TEST IDENTITY

Test Case Number:	SV_3	**Priority:**	Mandatory
Objective:	New SOA Initiates Subscription Version Create, Single TN, Inter Port, Ported TN, Old SOA does not concur before Final Window expires		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.1.2, 6.5.1.6.2, 6.5.1.6.3

C. TIME ESTIMATE

Estimated Execution Time:	30 minutes	**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**	10 minutes	**Estimated SP Setup Time:**	10 minutes

D. PREREQUISITE

Prerequisite Test Cases:	TN was previously ported / activated. This Test Case creates a new port, but Not Porting to Original Service Provider.
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	1? Old Service Provider owns the NPA-NXX that is open for porting. 2? Already Ported TN, status = active, exists. This port creates a new subscription version id, status = pending. 3? New Service Provider is associated with the valid LRN.

4?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1-a.	New SOA	New SOA initiates a new subscription version M-Create with valid attributes: • subscriptionTN • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionNewSP-DueDate • subscriptionLNPType • subscriptionPortingToOriginal-SP Switch	NPAC	1? NPAC receives the valid request from New SOA. 2? NPAC creates the subscriptionVersionNPAC object. 3? NPAC sets status to "pending" 4? NPAC sets the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp. 5? NPAC sends action reply with success.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1-b	New SOA	(continued from previous page) For Not Porting to Original port: • subscriptionLRN • subscriptionCLASS-DPC • subscriptionCLASS-SSN • subscriptionLIDB-DPC • subscriptionLIDB-SSN • subscriptionCNAM-DPC • subscriptionCNAM-SSN • subscriptionISVM-DPC • subscriptionISVM-SSN Optional attributes: • subscriptionEndUserLocationValue • subscriptionEndUserLocationType • subscriptionBillingId		
2.	NPAC	NPAC sends M-Event Report to Old SOA and New SOA with an object creation notification containing: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-Creation TimeStamp • subscriptionVersionStatus • subscriptionNewSP-DueDate • subscription version Id	Old SOA; New SOA	1? Old SOA receives the object creation notification. 2? Old Service Provider's database reflects the correct subscription version information, including status = pending. 3? Old SOA confirms the M-Event Report. 4? New SOA receives the object creation notification. 5? New Service Provider's database reflects the correct subscription version information, including status = pending. 6? New SOA confirms the M-Event Report.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
3	NPAC	1? NPAC sets the Initial Concurrence Window timer and waits for Old SOA to concur. 2? Then NPAC sends to Old SOA the subscription version Old SP Create Request Notification which includes: 3? TN, 4? subscription version id, 5? New SP id, 6? New SP due date, 7? Authorization creation time stamp 8? New SP Creation time stamp 9? Initial Window expires. 10?NPAC sets the Final Concurrence Window and waits for Old SOA to concur. 11?NPAC sends to Old SOA the subscription version Old SP Final Concurrence Window notification. 12?Final Window expires but Old SOA does not send the 2nd Create.	Old SOA	1? Ref IIS 6.5.1.6.2 and, 6.5.1.6.3. 2? Old SOA receives and sends confirmation to NPAC's subscription version Old SP Create Request Notification before the Initial Window expires. 3? But Old SOA does not send concurrence to New SOA's subscription version creation after Initial Window expires. 4? Old SOA receives and sends confirmation to NPAC's subscription version Old SP Final Concurrence Window notification. 5? Old SOA does not respond or send in concurrence to New SOA's subscription version creation after Final Concurrence Window expires. 6? Any time prior to New Service Provider's Activation, the Old Service Provider may send in the second create or concurrence.

A. TEST IDENTITY

Test Case Number:	SV_4	**Priority:**	Mandatory
Objective:	New SOA Initiates Subscription Version Create, Single TN, Inter Port, Ported TN, Old Service Provider concurs after Initial Window.		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.1.2, 6.5.1.6.2

C. TIME ESTIMATE

Estimated Execution Time:	30 minutes	**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**	5 minutes	**Estimated SP Setup Time:**	5 minutes

D. PREREQUISITE

Prerequisite Test Cases:	Test Case where TN was previously ported / activated. This Test Case creates a new port, but Not Porting to Original Service Provider.
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	1? Old Service Provider owns the NPA-NXX that is open for porting. 2? Already Ported TN, status = active, exists. This port creates a new subscription version id, status = pending. 3? New Service Provider is associated with the valid LRN.

4?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1-a.	New SOA	New SOA initiates new subscription version M-Create with valid attributes: • subscriptionTN • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionNewSP-DueDate • subscriptionLNPType • subscriptionPortingToOriginal-SP Switch	NPAC	1? NPAC receives the valid request from New SOA. 2? NPAC creates the subscriptionVersionNPAC object. 3? NPAC sets status to "pending" 4? NPAC sets the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp. 5? NPAC sends action reply with success.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1-b	New SOA	[continued from previous page] For Not Porting to Original port: • subscriptionLRN • subscriptionCLASS-DPC • subscriptionCLASS-SSN • subscriptionLIDB-DPC • subscriptionLIDB-SSN • subscriptionCNAM-DPC • subscriptionCNAM-SSN • subscriptionISVM-DPC • subscriptionISVM-SSN Optional attributes: • subscriptionEndUserLocationValue • subscriptionEndUserLocationType • subscriptionBillingId		
2.	NPAC	NPAC sends M-Event Report to Old SOA and New SOA with an object creation notification containing: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-Creation TimeStamp • subscriptionVersionStatus • subscriptionNewSP-DueDate • subscription version Id	Old SOA; New SOA	1? Old SOA receives the object creation notification. 2? Old Service Provider's database reflects the correct subscription version information, including status = pending. 3? Old SOA confirms the M-Event Report. 4? New SOA receives the object creation notification. 5? New Service Provider's database reflects the correct subscription version information, including status = pending. 6? New SOA confirms the M-Event Report.
3	NPAC	• NPAC sets the Initial Concurrence Window timer and waits for Old SOA to concur. • Then NPAC sends to Old SOA the subscription version Old SP Create Request Notification with: • TN, • subscription version id, • New SP id, • New SP due date, • Authorization creation time stamp • New SP Creation time stamp	Old SOA	7? Ref IIS 6.5.1.6.2 8? Old SOA receives and sends confirmation to NPAC's subscription version Old SP Create Request Notification before the Initial Window expires. 9? See Test Case SV_5 where Old Service Provider sends concurrence to New Service Provider's subscription version creation after Initial Window expires.

A. TEST IDENTITY

Test Case Number:	SV_5	**Priority:**	Mandatory
Objective:	Old SOA Second Create subscription version, Single TN, Inter Port, Ported TN		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.1.6.2, 6.5.1.4

C. TIME ESTIMATE

Estimated Execution Time:	20 minutes	**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**	5 minutes	**Estimated SP Setup Time:**	5 minutes

D. PREREQUISITE

Prerequisite Test Cases:	Test Case SV_4. New SOA has initiated Create subscription version. NPAC's Concurrence Window timer has not expired.
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1	Old SOA	Old SOA sends 2nd subscription version M-Create request with valid attributes: • subscriptionTN • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionOldSP-Authorization • subscriptionOldSP-DueDate • subscriptionLNPType	NPAC	1? NPAC receives the valid request from Old SOA. 2? NPAC sets the subscriptionOldSP-AuthorizationTimeStamp and subscriptionModifiedTimeStamp, and all data specified in the M-ACTION. 3? NPAC sends M-ACTION reply with success.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2	NPAC	NPAC sends to Old SOA an M-Event Report with Attribute Value Change to: • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp	Old SOA	1? Old SOA receives the Attribute Value Change. 2? Old SOA confirms the M-Event Report.
3	NPAC	NPAC to New SOA an M-Event Report with Attribute Value Change for all updated attributes: • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp	New SOA	3? New SOA receives the Attribute Value Change. 4? New SOA confirms the M-Event Report.

A. TEST IDENTITY

Test Case Number:	SV_6	**Priority:**	Mandatory
Objective:	New SOA Initiates Subscription Version Create, Single TN, Inter Port, PTO, Ported TN, Old SOA concurs before Initial Window.		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.1.2, 6.5.1.6.2

C. TIME ESTIMATE

Estimated Execution Time:	30 minutes	**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**	5 minutes	**Estimated SP Setup Time:**	5 minutes

D. PREREQUISITE

Prerequisite Test Cases:	Test Case where TN was previously ported / activated. In this Test Case New SOA creates a Porting to Original Service Provider of the previous port.
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1-a.	New SOA	New SOA initiates a new subscription version M-Create request with valid attributes: • subscriptionTN • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionNewSP-DueDate • subscriptionLNPType • subscriptionPortingToOriginal-SP Switch Optional attributes: • subscriptionEndUserLocationValue • subscriptionEndUserLocationType • subscriptionBillingId	NPAC	1? NPAC receives the valid request from New SOA. 2? NPAC creates the subscriptionVersionNPAC object. 3? NPAC sets status to "pending" 4? NPAC sets the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp. 5? NPAC sends action reply with success.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2.	NPAC	NPAC sends M-Event Report to Old SOA and New SOA with an object creation notification containing: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-Creation TimeStamp • subscriptionVersionStatus • subscriptionNewSP-DueDate • subscription version Id	Old SOA; New SOA	1? Old SOA receives the object creation notification. 2? Old Service Provider's database reflects the correct subscription version information, including status = pending. 3? Old SOA confirms the M-Event Report. 4? New SOA receives the object creation notification. 5? New Service Provider's database reflects the correct subscription version information, including status = pending. 6? New SOA confirms the M-Event Report.
3	NPAC	• NPAC sets the Initial Concurrence Window timer and waits for Old SOA to concur.	Old SOA	7? Ref IIS 6.5.1.6.2 8? Old SOA receives and sends confirmation to NPAC's subscription version Old SP Create Request Notification before the Initial Window expires. 9? See Test Case SV_7 where Old SOA sends concurrence to New Service Provider's subscription version creation before Initial Window expires.

A. TEST IDENTITY

Test Case Number:	SV_7	**Priority:**	Mandatory
Objective:	Old SOA Second Create Subscription Version, Single TN, Inter Port, PTO, Ported TN		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.1.6.2, 6.5.1.4

C. TIME ESTIMATE

Estimated Execution Time:	20 minutes	**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**	5 minutes	**Estimated SP Setup Time:**	5 minutes

D. PREREQUISITE

Prerequisite Test Cases:	Test Case SV_6. New SOA has initiated Create subscription version. NPAC's Concurrence Window timer has not expired.
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1	Old SOA	Old SOA sends 2nd subscription version M-Create request with valid attributes: • subscriptionTN • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionOldSP-Authorization • subscriptionOldSP-DueDate • subscriptionLNPType	NPAC	1? NPAC receives the valid request from Old SOA. 2? NPAC sets the subscriptionOldSP-AuthorizationTimeStamp and subscriptionModifiedTimeStamp, and all data specified in the M-ACTION. 3? NPAC sends M-ACTION reply with success.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2	NPAC	NPAC sends to Old SOA an M-Event Report with Attribute Value Change to: • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp	Old SOA	1? Old SOA receives the Attribute Value Change. 2? Old SOA issues M-Event Report confirmation.
3	NPAC	NPAC sends to New SOA an M-Event Report with Attribute Value Change for all attributes: • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp	New SOA	3? New SOA receives the Attribute Value Change. 4? New SOA issues M-Event Report confirmation.

A. TEST IDENTITY

Test Case Number:	SV_8	**Priority:**	Mandatory
Objective:	New SOA Initiates Modify Due Date prior to Activation, Single TN, Previous Port Exists		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.2.3; 6.5.2.4

C. TIME ESTIMATE

Estimated Execution Time:	20 minutes	**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**	5 minutes	**Estimated SP Setup Time:**	5 minutes

D. PREREQUISITE

Prerequisite Test Cases:	1? Previously ported TN, subscription version status = active; and Current subscription version, status = pending, both exist. 2? Note that the current subscription version may only have status = pending, conflict. 3? Test Case SV_4 may be the prerequisite test case.
4? Prerequisite NPAC Setup:	
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	New SOA	New SOA initiates a request to modify a pending [or conflict] subscription version by specifying: • subscriptionTN • AND version status OR subscription version id. New SOA requests to modify only the Due Date. [See 6.5.2.3 for New SOA modifiable attributes.]	NPAC	1? NPAC receives the valid request from New SOA. 2? NPAC sets the Due Date in the subscriptionVersionNPAC object and sets the subscriptionModifiedTimeStamp 3? NPAC does not change the status [remains pending or conflict]. 4? NPAC sends M-ACTION reply with success.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2.	NPAC	NPAC sends to Old SOA and to New SOA an M-Event Report with Attribute Value Change for all the updated attributes.	Old SOA; New SOA	1? Old SOA receives the Attribute Value Change. 2? Old Service Provider's database reflects the change in attribute 3? Old SOA issues M-Event Report confirmation. 4? New SOA receives the Attribute Value Change. 5? New Service Provider's database reflects the change in attribute 6? New SOA issues M-Event Report confirmation.

A. TEST IDENTITY

Test Case Number:	SV_9	**Priority:**	Mandatory
Objective:	Old SOA Initiates Modify Due Date prior to Activation, Single TN, Previous Port Exists		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.2.3; 6.5.2.4

C. TIME ESTIMATE

Estimated Execution Time:	20 minutes	**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**	5 minutes	**Estimated SP Setup Time:**	5 minutes

D. PREREQUISITE

Prerequisite Test Cases:	1? Previously ported TN, subscription version status = active; and Current subscription version, status = pending, both exist. 2? Note that the current subscription version may only have status = pending 3? Test Case SV_5 may be the prerequisite test case.
4? Prerequisite NPAC Setup:	
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	Old SOA	1? Old SOA initiates a request to modify a pending subscription version by specifying: 2? subscriptionTN 3? AND version status or subscription version id. 4? Old SOA requests to modify the Old Service Provider Due Date. 5? Old SOA does not modify Authorization in this test.	NPAC	1? NPAC receives the valid request from Old SOA. 2? NPAC sets the updated attributes in the subscriptionVersionNPAC object and sets the subscriptionModifiedTimeStamp. 3? NPAC also sets the status = conflict. 4? NPAC sends M-ACTION reply with success.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2.	NPAC	NPAC sends to Old SOA and to New SOA an M-Event Report with Status Attribute Value Change with: • status = conflict.	Old SOA; New SOA	1? Old SOA receives the Status Attribute Value Change. 2? Old Service Provider's database reflects the updated status = conflict. 3? Old SOA issues M-Event Report confirmation. 4? New SOA receives the Status Attribute Value Change. 5? New Service Provider's database reflects the updated status = conflict. 6? New SOA issues M-Event Report confirmation.

A. TEST IDENTITY

Test Case Number:	SV_10	**Priority:**	Mandatory
Objective:	Old SOA Initiates Modify Authorization = False, prior to Activation, Single TN, Previous Port Exists		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.2.3 [or 6.5.2.4 with M-Set]

C. TIME ESTIMATE

Estimated Execution Time:	20 minutes	**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**	5 minutes	**Estimated SP Setup Time:**	5 minutes

D. PREREQUISITE

Prerequisite Test Cases:	1? Previously ported TN, subscription version status = active; and Current subscription version, status = pending, both exist. 2? Note that the current subscription version may only have status = pending 3? Test Case SV_4 may be the prerequisite test case.
4? Prerequisite NPAC Setup:	
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	Old SOA	1? Old SOA sends a request to modify a pending subscription version by specifying: 2? subscriptionTN 3? AND version status OR subscription version id. 4? Old SOA requests to modify:: 5? Old SP Authorization = False. 6? Status Change Cause Code = valid value 7? Old SOA does not change Due Date.	NPAC	1? NPAC receives the valid request from Old SOA. 2? NPAC sets the updated attributes in the subscriptionVersionNPAC object and sets the subscriptionModifiedTimeStamp. 3? NPAC also sets the status = conflict. 4? NPAC sends M-ACTION reply with success. 5? NPAC sets the Conflict Resolution Restriction Window. [New SOA cannot remove Conflict before this Window expires.]

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2.	NPAC	NPAC sends to Old SOA and to New SOA an M-Event Report with Status Attribute Value Change with: • status = conflict.	Old SOA; New SOA	1? Old SOA receives the Status Attribute Value Change. 2? Old Service Provider's database reflects the updated status = conflict. 3? Old SOA issues M-Event Report confirmation. 4? New SOA receives the Status Attribute Value Change. 5? New Service Provider's database reflects the updated status = conflict. 6? New SOA issues M-Event Report confirmation.

A. TEST IDENTITY

Test Case Number:	SV_11	**Priority:**	Mandatory
Objective:	New SOA Initiates Conflict Removal, Single TN, Previous Port Exists		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.5.2

C. TIME ESTIMATE

Estimated Execution Time:	20 minutes	**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**	5 minutes	**Estimated SP Setup Time:**	5 minutes

D. PREREQUISITE

Prerequisite Test Cases:	Test Case SV_10 where the Old Service Provider set the subscription version to Conflict and the Conflict Window has expired which enables New SOA to remove Conflict.
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	New SOA	New SOA sends a request to remove a Conflict by specifying: • subscriptionTN; • AND version status or subscription version id.	NPAC	1? NPAC receives the valid request from New SOA. 2? NPAC changes status = pending. 3? NPAC sends M-ACTION reply with success.
4? 2.	NPAC	NPAC sends to New SOA and Old SOA an M-Event Report with Status Attribute Value Change with: • status = "pending"	New SOA; Old SOA	5? New SOA receives the Status Attribute Value Change. 6? New Service Provider's database reflects the updated status = pending. 7? New SOA issues M-Event Report confirmation. 8? Old SOA receives the Status Attribute Value Change. 9? Old Service Provider's database reflects the updated status = pending. 10? Old SOA issues M-Event Report confirmation.

A. TEST IDENTITY

Test Case Number:	SV_12	**Priority:**	Mandatory
Objective:	Old [or New] Service Provider Cancels Pending Subscription Version Before Other Service Provider Concurs, Single TN, Inter Port, Previous Port Exists.		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.3.3

C. TIME ESTIMATE

Estimated Execution Time:	20 minutes	**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**	5 minutes	**Estimated SP Setup Time:**	5 minutes

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	1? Previously Ported TN exists. 2? Old [or New] Service Provider has created a pending subscription version, to which New [or Old] Service Provider has not concurred.

3?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	Old SOA	1? Old SOA sends a request to Cancel the pending subscription version, specifying the following subscription version identification: 2? subscriptionTN; 3? AND versions status OR subscription version id.	NPAC	1? NPAC receives the valid request from Old SOA. 2? NPAC updates the subscriptionVersionStatus to canceled 3? NPAC updates the subscriptionModified TimeStamp in the subscriptionVersionNPAC object. 4? NPAC sends M-ACTION reply with success. 5? The subscriptionPreCancellationStatus is set to the current and subscriptionVersionStatus is set to “canceled.”

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2.	NPAC	NPAC sends an M-Event Report to Old SOA and to New SOA with Status Attribute Value Change with: • status = ‘canceled’	Old SOA; New SOA	1? Old SOA receives the Status Attribute Value Change. 2? Old Service Provider’s database reflects the change, status = “canceled.” 3? Old SOA issues M-Event Report confirmation. 4? New SOA receives the Status Attribute Value Change. 5? New Service Provider’s database reflects the change, status = “canceled.” 6? New SOA issues M-Event Report confirmation.

A. TEST IDENTITY

Test Case Number:	SV_13	**Priority:**	Mandatory
Objective:	Old Service Provider Cancels Pending Subscription Version After New Service Provider Concurs, Single TN, Inter Port, Previous Port Exists		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.3.1

C. TIME ESTIMATE

Estimated Execution Time:	30 minutes	**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**	5 minutes	**Estimated SP Setup Time:**	5 minutes

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	1? Previously Ported TN exists. 2? Old Service Provider has created a pending subscription version and New Service Provider has concurred. Old SOA can cancel a pending or conflict subscription version. This test begins with the subscription version status = pending.

3?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	Old SOA	1? Old SOA sends a request to Cancel the pending subscription version by specifying: 2? subscriptionTN; 3? AND versions status or subscription version id.	NPAC	1? NPAC receives the valid request from Old SOA. 2? NPAC updates the subscriptionVersionStatus to cancel-pending. 3? NPAC updates the subscriptionModified TimeStamp in the subscriptionVersionNPAC object. 4? NPAC sends M-ACTION reply with success. 5? The subscriptionPreCancellationStatus is set to the current and subscriptionVersionStatus is set to cancel-pending.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2.	NPAC	NPAC sends to Old SOA and New SOA an M-Event Report with Status Attribute Value Change with: • status = cancel-pending	Old SOA; New SOA; NPAC	1? Old SOA receives the Status Attribute Value Change. 2? Old Service Provider's database reflects the change, status = cancel-pending. 3? Old SOA issues M-Event Report confirmation. 4? New SOA receives the Status Attribute Value Change. 5? New Service Provider's database reflects the change, status = cancel-pending. 6? New SOA issues M-Event Report confirmation. 7? NPAC updates the subscriptionOldSP Cancellation Time Stamp and subscription Modified Time Stamp.
3.	Old SOA; New SOA	Old SOA sends to NPAC an Acknowledgment to the updated status of cancel-pending. New SOA sends to NPAC an Acknowledgment to the updated status of cancel-pending.	NPAC	8? NPAC receives Old SOA's Acknowledgment. 9? NPAC sends M-ACTION reply with success to Old SOA. 10?NPAC receives New SOA's Acknowledgment. 11?NPAC updates the following 12?subscriptionNew SP Cancellation Time Stamp, 13?subscriptionModified Time Stamp, 14?subscription Cancellation TimeStamp, 15?and subscriptionVersionStatus = canceled. 16?NPAC sends M-ACTION reply with success to New SOA.
4.	NPAC	NPAC sends to Old SOA and New SOA an M-Event Report with Status Attribute Value Change with: • status = 'canceled'	Old SOA; New SOA	17?Old SOA receives the Status Attribute Value Change. 18?Old Service Provider's database reflects the change, status = "canceled." 19?Old SOA issues M-Event Report confirmation. 20?New SOA receives the Status Attribute Value Change. 21?New Service Provider's database reflects the change, status = "canceled." 22?New SOA issues M-Event Report confirmation.

A. TEST IDENTITY

Test Case Number:	SV_14	**Priority:**	Mandatory
Objective:	New Service Provider Cancels Pending Subscription Version After Old Service Provider Concurs, Single TN, Inter Port, Previous Port Exists		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.3.1

C. TIME ESTIMATE

Estimated Execution Time:	30 minutes	**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**	5 minutes	**Estimated SP Setup Time:**	5 minutes

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	1? Previously Ported TN exists. 2? New Service Provider has created a pending subscription version and Old Service Provider has concurred. New SOA can cancel a pending or conflict subscription version. This test begins with the subscription version status = pending.

3?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	New SOA	1? New SOA sends a request to Cancel the pending subscription version by specifying: 2? subscriptionTN; 3? AND version status or subscription version id.	NPAC	1? NPAC receives the valid request from New SOA. 2? NPAC updates the subscriptionVersionStatus to cancel-pending. 3? NPAC updates the subscriptionModified TimeStamp in the subscriptionVersionNPAC object. 4? NPAC sends M-ACTION reply with success. 5? The subscriptionPreCancellationStatus is set to the current and subscriptionVersionStatus is set to cancel-pending.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2.	NPAC	NPAC sends to Old SOA and New SOA an M-Event Report with Status Attribute Value Change with: • status = cancel-pending	Old SOA; New SOA; NPAC	1? Old SOA receives the Status Attribute Value Change. 2? Old Service Provider's database reflects the change, status = cancel-pending. 3? Old SOA issues M-Event Report confirmation. 4? New SOA receives the Status Attribute Value Change. 5? New Service Provider's database reflects the change, status = cancel-pending. 6? New SOA issues M-Event Report confirmation. 7? NPAC updates the subscriptionOldSP Cancellation Time Stamp and subscription Modified Time Stamp.
3.	Old SOA; New SOA	Old SOA sends to NPAC an Acknowledgment to the updated status of cancel-pending. New SOA sends to NPAC an Acknowledgment to the updated status of cancel-pending.	NPAC	8? NPAC receives Old SOA's Acknowledgment. 9? NPAC sends M-ACTION reply with success to Old SOA. 10?NPAC receives New SOA's Acknowledgment. 11?NPAC updates the following 12?subscriptionNew Service Provider Cancellation Time Stamp, 13?subscriptionModified Time Stamp, 14?subscription Cancellation TimeStamp, 15?and subscriptionVersionStatus = canceled. 16?NPAC sends M-ACTION reply with success to New SOA.
4.	NPAC	NPAC sends to Old SOA and New SOA an M-Event Report with Status Attribute Value Change with: • status = 'canceled'	Old SOA; New SOA	17?Old SOA receives the Status Attribute Value Change. 18?Old Service Provider's database reflects the change, status = "canceled." 19?Old SOA issues M-Event Report confirmation. 20?New SOA receives the Status Attribute Value Change. 21?New Service Provider's database reflects the change, status = "canceled." 22?New SOA issues M-Event Report confirmation.

A. TEST IDENTITY

Test Case Number:	SV_15	**Priority:**	Mandatory
Objective:	New Service Provider Cancels Pending Subscription Version After Old Service Provider Concurs, Single TN, Inter Port, Previous Port Exists, Old Service Provider no Cancel Acknowledgment.		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.3.1, 6.5.3.2

C. TIME ESTIMATE

Estimated Execution Time:	30 minutes	**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**	5 minutes	**Estimated SP Setup Time:**	5 minutes

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	1? Previously Ported TN exists. 2? Both Service Providers have concurred to the pending subscription version creation.

3?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	New SOA	1? New SOA sends a request to Cancel the pending subscription version by specifying: 2? subscriptionTN; 3? AND version status or subscription version id.	NPAC	1? NPAC receives the valid request from New SOA. 2? NPAC updates the subscriptionVersionStatus to cancel-pending. 3? NPAC updates the subscriptionModified TimeStamp in the subscriptionVersionNPAC object. 4? NPAC sends M-ACTION reply with success. 5? The subscriptionPreCancellationStatus is set to the current and subscriptionVersionStatus is set to cancel-pending.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2.	NPAC	NPAC sends to Old SOA and New SOA an M-Event Report with Status Attribute Value Change with: • status = cancel-pending NPAC starts the Cancellation Initial Concurrence Window	Old SOA; New SOA; NPAC	1? Old SOA receives the Status Attribute Value Change. 2? Old Service Provider's database reflects the change, status = cancel-pending. 3? Old SOA issues M-Event Report confirmation. 4? New SOA receives the Status Attribute Value Change. 5? New Service Provider's database reflects the change, status = cancel-pending. 6? New SOA issues M-Event Report confirmation. 7? NPAC updates the subscriptionOldSP Cancellation Time Stamp and subscription Modified Time Stamp.
3.	Old SOA; New SOA	Old SOA does NOT send to NPAC an Acknowledgment to the updated status of cancel-pending within the Initial Window. New SOA sends to NPAC an Acknowledgment to the updated status of cancel-pending.	NPAC	8? NPAC receives New SOA's Acknowledgment. 9? NPAC sets the subscription version New SP Cancellation Time Stamp 10?NPAC sends M-ACTION reply with success to New SOA. 11?Cancellation Initial Concurrence Window expires.
4.	NPAC	• NPAC sets the Cancellation Final Concurrence Window and waits for Old Service Provider to acknowledge. • NPAC sends to Old Service Provider an subscription version cancellation acknowledgment request.	Old SOA	12?Old Service Provider receives and sends a confirmation to NPAC's request for acknowledgment. 13?However, Old SOA does NOT send the cancellation acknowledgment before the Final Window expires. 14?NPAC sets the subscription version status = conflict, and the subscription Conflict Time Stamp and the Modified time stamp.
5.	NPAC	NPAC sends to Old SOA and New SOA an M-Event Report with Status Attribute Value Change with: • status = 'conflict'	Old SOA; New SOA	15?Old SOA receives the Status Attribute Value Change. 16?Old SP's database reflects the change, status = "conflict." 17?Old SOA issues M-Event Report confirmation. 18?New SOA receives the Status Attribute Value Change. 19?New SP's database reflects the change, status = "conflict." 20?New SOA issues M-Event Report confirmation.

A. TEST IDENTITY

Test Case Number:	SV_16	**Priority:**	Mandatory
Objective:	Old Service Provider Cancels Pending Subscription Version After New Service Provider Concurs, Single TN, Inter Port, Previous Port Exists, New Service Provider no Cancel Acknowledgment.		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.3.1, 6.5.3.2

C. TIME ESTIMATE

Estimated Execution Time:	30 minutes	**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**	5 minutes	**Estimated SP Setup Time:**	5 minutes

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	1? Previously Ported TN exists. 2? Both Service Providers have concurred to the pending subscription version creation.

3?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	Old SOA	1? Old SOA sends a request to Cancel the pending subscription version by specifying: 2? subscriptionTN; 3? AND version status or subscription version id.	NPAC	1? NPAC receives the valid request from Old SOA. 2? NPAC updates the subscriptionVersionStatus to cancel-pending. 3? NPAC updates the subscriptionModified TimeStamp in the subscriptionVersionNPAC object. 4? NPAC sends M-ACTION reply with success. 5? The subscriptionPreCancellationStatus is set to the current and subscriptionVersionStatus is set to cancel-pending.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2.	NPAC	NPAC sends to Old SOA and New SOA an M-Event Report with Status Attribute Value Change with: • status = cancel-pending NPAC starts the Cancellation Initial Concurrence Window	Old SOA; New SOA; NPAC	1? Old SOA receives the Status Attribute Value Change. 2? Old Service Provider's database reflects the change, status = cancel-pending. 3? Old SOA issues M-Event Report confirmation. 4? New SOA receives the Status Attribute Value Change. 5? New Service Provider's database reflects the change, status = cancel-pending. 6? New SOA issues M-Event Report confirmation. 7? NPAC updates the subscriptionOldSP Cancellation Time Stamp and subscription Modified Time Stamp.
8? 3.	Old SOA; New SOA	Old SOA sends to NPAC an Acknowledgment to the updated status of cancel-pending. New SOA does NOT send to NPAC an Acknowledgment to the updated status of cancel-pending within the Initial Window.	NPAC	9? NPAC receives Old SOA's Acknowledgment. 10?NPAC sets the subscription version Old Service Provider Cancellation Time Stamp 11?NPAC sends M-ACTION reply with success to Old SOA. 12?Cancellation Initial Concurrence Window expires.
4.	NPAC	• NPAC sets the Cancellation Final Concurrence Window and waits for New Service Provider to acknowledge. • NPAC sends to New Service Provider subscription version cancellation acknowledgment request.	Old SOA	13?New Service Provider receives and sends a confirmation to NPAC's request for acknowledgment. 14?However, New SOA does NOT send the cancellation acknowledgment before the Final Window expires. 15?NPAC sets the subscription version status = conflict, and the subscription Conflict Time Stamp and the Modified time stamp.
5.	NPAC	NPAC sends to Old SOA and New SOA an M-Event Report with Status Attribute Value Change with: • status = 'conflict'	Old SOA; New SOA	16?Old SOA receives the Status Attribute Value Change. 17?Old Service Provider's database reflects the change, status = "conflict." 18?Old SOA issues M-Event Report confirmation. 19?New SOA receives the Status Attribute Value Change. 20?New Service Provider's database reflects the change, status = "conflict." 21?New SOA issues M-Event Report confirmation.

DELETE THIS TC. DUPLICATE OF "CCL_1"

A. TEST IDENTITY

Test Case Number:	SV_17	**Priority:**	Mandatory
Objective:	New Service Provider Cancel Single TN Before Old Service Provider Concurs, Inter Port, Previous Port Exists		

A. TEST IDENTITY

Test Case Number:	SV_18	**Priority:**	Mandatory
Objective:	New SP SOA Activates a Single TN, Inter Port, Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	R5-9, R5-51.1, R5-51.2, RR5-22, R5-52, R5-53.1, R5-53.2, R5-53.3, R5-55, R5-57.1, R5-57.2, R5-57.3, R5-58.1, R5-59.1, R5-59.2
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.1.5, 6.5.1.6

C. TIME ESTIMATE

Estimated Execution Time:	[20 to 30 minutes]	**Estimated Prerequisite Setup Time:**	[10 minutes]	**Estimated NPAC Setup Time:**	[10 minutes]	**Estimated SP Setup Time:**	[10 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	NPA-NXX filters have been set up to ONLY broadcast to LSMSs that are currently associated to the NPAC.
Prerequisite SP Setup:	1? A pending inter-service provider port exists. 2? Due date equals the current date.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	New SP	New SOA sends an M-ACTION to the NPAC to activate a pending subscription version.	NPAC	1? NPAC receives the subscriptionVersionActivate M-ACTION request from the New SOA. 2? NPAC updates the subscriptionVersionNPAC object by setting the subscriptionVersionActivationTimeStamp and subscriptionModifiedTimeStamp. 3? NPAC sets the subscriptionVersionStatus to "sending". 4? NPAC sends an M-ACTION response with success.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of "sending" , to the Old SOA and the New SOA.	Old SOA; New SOA	1? Old SOA receives the statusAttributeValueChange. 2? Old SP's database reflects the correct SV information, including status = sending. 3? Old SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS. 4? New SOA receives the statusAttributeValueChange. 5? New SP's database reflects the correct SV information, including status = sending. 6? New SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.
3.	NPAC	NPAC sends an M-CREATE for the subscription version to each Local SMS, that is accepting downloads for the NPA-NXX of the subscription version.	All LSMSs	All accepting LSMSs confirm the M-CREATE and report successful objectCreation.
4.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of "active" , to the Old SOA and the New SOA.	Old SOA; New SOA	7? Old SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS. 8? New SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.
5	NPAC	If this TN had been previously ported (i.e., the current port is the second or greater time this TN has been ported), NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of "old", for the previously active subscriptionVersionNPAC object, to the Old SOA.	Old SOA	Old SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	SV_19	**Priority:**	Mandatory
Objective:	New/Current SP SOA Activates a Single TN, Intra Port, Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	R5-9, R5-51.1, R5-51.2, RR5-22, R5-52, R5-53.1, R5-53.2, R5-53.3, R5-55, R5-57.1, R5-57.2, R5-57.3, R5-58.1, R5-59.1, R5-59.2, RR5-4, RR5-5, RR5-6.(1 through 9), RR5-7.1, RR5-7.2, RR5-8, RR5-9
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.1.5, 6.5.1.6

C. TIME ESTIMATE

Estimated Execution Time:	[20 to 30 minutes]	**Estimated Prerequisite Setup Time:**	[10 minutes]	**Estimated NPAC Setup Time:**	[10 minutes]	**Estimated SP Setup Time:**	[10 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	NPA-NXX filters have been set up to ONLY broadcast to LSMSs that are currently associated to the NPAC.
Prerequisite SP Setup:	1? A pending intra-service provider port exists. 2? Due date equals the current date.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	Current SP	Current SOA sends an M-ACTION to the NPAC to activate a pending subscription version.	NPAC	1? NPAC receives the subscriptionVersionActivate M-ACTION request from the Current SOA. 2? NPAC updates the subscriptionVersionNPAC object by setting the subscriptionVersionActivationTimeStamp and subscriptionModifiedTimeStamp. 3? NPAC sets the subscriptionVersionStatus to "sending". 4? NPAC sends an M-ACTION response with success.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of "sending", to the Current SOA.	Current SOA	1? Current SOA receives the statusAttributeValueChange. 2? Current SP's database reflects the correct SV information, including status = sending. 3? Current SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.
4? 3.	NPAC	NPAC sends an M-CREATE for the subscription version to each Local SMS, that is accepting downloads for the NPA-NXX of the subscription version.	All LSMSs	All accepting LSMSs confirm the M-CREATE and report successful objectCreation.
4.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of "active", to the Current SOA.	Current SOA	Current SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.
5	NPAC	If this TN had been previously ported (i.e., the current port is the second or greater time this TN has been ported), NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of "old", for the previously active subscriptionVersionNPAC object, to the Current SOA.	Current SOA	Current SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	SV_20	**Priority:**	Mandatory
Objective:	New SP SOA Activates a Single TN, Port-To-Original, Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	R5-9, R5-51.1, R5-51.2, RR5-22, R5-52, R5-53.1, R5-53.2, R5-53.3, R5-55, R5-57.1, R5-57.2, R5-57.3, R5-58.1, R5-59.1, R5-59.2, RR5-21
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.1.12

C. TIME ESTIMATE

Estimated Execution Time:	[20 to 30 minutes]	**Estimated Prerequisite Setup Time:**	[10 minutes]	**Estimated NPAC Setup Time:**	[10 minutes]	**Estimated SP Setup Time:**	[10 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	NPA-NXX filters have been set up to ONLY broadcast to LSMSs that are currently associated to the NPAC.
Prerequisite SP Setup:	1? A pending Port-To-Original port exists. 2? Due date equals the current date.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	New SP	NOTE: SV1 is the current active subscription version. SV2 is the current pending subscription version. New SOA sends an M-ACTION to the NPAC to activate a pending port-to-original subscription version for SV2.	NPAC	1? NPAC receives the subscriptionVersionActivate M-ACTION request from the New SOA for SV2. 2? NPAC updates the subscriptionVersionNPAC object by setting the subscriptionBroadcastTimeStamp and subscriptionModifiedTimeStamp for SV2. 3? NPAC sets the subscriptionVersionStatus to "sending" for SV2. 4? NPAC sends an M-ACTION response with success.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of “sending” for SV2, to the Old SOA and the New SOA.	Old SOA; New SOA	1? Old SOA receives the statusAttributeValueChange. 2? Old SP’s database reflects the correct SV information, including status = sending, for SV2. 3? Old SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS. 4? New SOA receives the statusAttributeValueChange. 5? New SP’s database reflects the correct SV information, including status = sending, for SV2. 6? New SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.
7? 3.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of “sending” for SV1, to the New SOA.	New SOA	8? NPAC updates the subscriptionVersionNPAC object by setting the subscriptionBroadcastTimeStamp and subscriptionModifiedTimeStamp for SV1. 9? NPAC sets the subscriptionVersionStatus to "sending" for SV1. 10?New SOA receives the statusAttributeValueChange. 11?New SP’s database reflects the correct SV information, including status = sending, for SV1. 12?New SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.
13?4.	NPAC	NPAC sends an M-DELETE for the subscription version (SV1) to each Local SMS, that is accepting downloads for the NPA-NXX of the subscription version.	All LSMSs	All accepting LSMSs confirm the M-DELETE and report successful operation.
5.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of “old” for SV1, to the New SOA.	New SOA	New SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.
6.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of “old” for SV2, to the Old SOA and the New SOA.	Old SOA, New SOA	14?Old SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS. 15?New SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	SV_21	**Priority:**	Mandatory
Objective:	New SP SOA Activates a Single TN, Port-To-Original, Partial Failure and NPAC resend		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	R5-9, R5-51.1, R5-51.2, RR5-22, R5-52, R5-53.1, R5-53.2, R5-53.3, R5-55, R5-57.1, R5-57.2, R5-57.3, R5-58.1, R5-59.1, R5-59.2, RR5-38.(1 through 4, 6, 7), R5-60.(7 through 12), RR5-22.1
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.1.14, 6.5.1.15

C. TIME ESTIMATE

Estimated Execution Time:	[20 to 30 minutes]	**Estimated Prerequisite Setup Time:**	[10 minutes]	**Estimated NPAC Setup Time:**	[10 minutes]	**Estimated SP Setup Time:**	[10 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	NPA-NXX filters have been set up to ONLY broadcast to LSMSs that are currently associated to the NPAC (exclusive of the single LSMS that is NOT associated for purposes of this test case).
Prerequisite SP Setup:	1? A pending Port-To-Original port exists. 2? Due date equals the current date. 3? One of the LSMSs should "bring down" their association prior to sending the activation request to the NPAC.

4?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	New SP	NOTE: SV1 is the current active subscription version. SV2 is the current pending subscription version. New SOA sends an M-ACTION to the NPAC to activate a pending port-to-original subscription version for SV2.	NPAC	1? NPAC receives the subscriptionVersionActivate M-ACTION request from the New SOA for SV2. 2? NPAC updates the subscriptionVersionNPAC object by setting the subscriptionBroadcastTimeStamp and subscriptionModifiedTimeStamp for SV2. 3? NPAC sets the subscriptionVersionStatus to "sending" for SV2. 4? NPAC sends an M-ACTION response with success.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of “sending” for SV2, to the Old SOA and the New SOA.	Old SOA; New SOA	0Old SOA receives the statusAttributeValueChange. 1? Old SP’s database reflects the correct SV information, including status = sending, for SV2. 2? Old SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS. 3? New SOA receives the statusAttributeValueChange. 4? New SP’s database reflects the correct SV information, including status = sending, for SV2. 5? New SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.
6? 3.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of “sending” for SV1, to the New SOA.	New SOA	7? NPAC updates the subscriptionVersionNPAC object by setting the subscriptionBroadcastTimeStamp and subscriptionModifiedTimeStamp for SV1. 8? NPAC sets the subscriptionVersionStatus to "sending" for SV1. 9? New SOA receives the statusAttributeValueChange. 10?New SP’s database reflects the correct SV information, including status = sending, for SV1. 11?New SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.
12?4.	NPAC	NPAC sends an M-DELETE for the subscription version (SV1) to each Local SMS, that is accepting downloads for the NPA-NXX of the subscription version.	All LSMSs	13?NPAC waits for a response from each LSMS. 14?NPAC retries any LSMS that has not responded. 15?No response, or an error, is received from at least one, but not each, LSMS.
16?5.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of “old” for SV1, to the New SOA.	New SOA	New SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.
6.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of “partially failed” for SV2, along with the subscriptionFailed-SP-List, to the Old SOA and the New SOA.	Old SOA, New SOA	17?Old SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS. 18?New SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
7.	SP	The SP that "brought down" their LSMS association prior to the activate request, re-associates their LSMS, along with a Recovery Mode Flag equal to FALSE.	NPAC	The "downed" LSMS is re-associated.
8.	NPAC	1? NPAC personnel take action to resend a failed port-to-original for a subscription version (SV1). 2? NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of "sending" for SV1, to the New SOA.	New SOA	1? NPAC updates the subscriptionVersionNPAC object by setting the subscriptionBroadcastTimeStamp and subscriptionModifiedTimeStamp for SV1. 2? NPAC sets the subscriptionVersionStatus to "sending" for SV1. 3? New SOA receives the statusAttributeValueChange. 4? New SP's database reflects the correct SV information, including status = sending, for SV1. 5? New SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.
6? 9.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of "sending" for SV2, to the Old SOA and the New SOA.	Old SOA; New SOA	1Old SOA receives the statusAttributeValueChange. 7? Old SP's database reflects the correct SV information, including status = sending, for SV2. 8? Old SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS. 9? New SOA receives the statusAttributeValueChange. 10?New SP's database reflects the correct SV information, including status = sending, for SV2. 11?New SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.
12?10.	NPAC	NPAC re-sends the M-DELETE for SV1 to this specific failed LSMS.	LSMS	The LSMS confirms the M-DELETE and reports successful operation.

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11.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of “old” for SV1, to the New SOA.	New SOA	1? NPAC updates the subscriptionVersionNPAC object by setting the subscriptionDisconnectCompleteTimeStamp and subscriptionModifiedTimeStamp for SV1. 2? NPAC sets the subscriptionVersionStatus to "old" for SV1. 3? New SOA receives the statusAttributeValueChange. 4? New SP’s database reflects the correct SV information, including status = old, for SV1. 5? New SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.
6? 12.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of “old” for SV2, to the Old SOA and the New SOA.	Old SOA; New SOA	2Old SOA receives the statusAttributeValueChange. 7? Old SP’s database reflects the correct SV information, including status = old, for SV2. 8? Old SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS. 9? New SOA receives the statusAttributeValueChange. 10?New SP’s database reflects the correct SV information, including status = old, for SV2. 11?New SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	SV_22	**Priority:**	Mandatory
Objective:	New SP SOA Activates a Single TN, Inter Port, Partial Failure and NPAC resend		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	R5-9, R5-51.1, R5-51.2, RR5-22, R5-52, R5-53.1, R5-53.2, R5-53.3, R5-55, R5-57.1, R5-57.2, R5-57.3, R5-58.1, R5-59.1, R5-59.2, RR5-38.(1 through 4, 6, 7), R5-60.(7 through 12), RR5-22.1
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.1.8, 6.5.1.9

C. TIME ESTIMATE

Estimated Execution Time:	[20 to 30 minutes]	**Estimated Prerequisite Setup Time:**	[10 minutes]	**Estimated NPAC Setup Time:**	[10 minutes]	**Estimated SP Setup Time:**	[10 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	NPA-NXX filters have been set up to ONLY broadcast to LSMSs that are currently associated to the NPAC (exclusive of the single LSMS that is NOT associated for purposes of this test case).
Prerequisite SP Setup:	1? A pending inter-service provider port exists. 2? Due date equals the current date. 3? One of the LSMSs should "bring down" their association prior to sending the activation request to the NPAC.

4?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	New SP	New SOA sends an M-ACTION to the NPAC to activate a pending subscription version.	NPAC	1? NPAC receives the subscriptionVersionActivate M-ACTION request from the New SOA. 2? NPAC updates the subscriptionVersionNPAC object by setting the subscriptionVersionActivationTimeStamp and subscriptionModifiedTimeStamp. 3? NPAC sets the subscriptionVersionStatus to "sending". 4? NPAC sends an M-ACTION response with success.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of "sending" , to the Old SOA and the New SOA.	Old SOA; New SOA	1? Old SOA receives the statusAttributeValueChange. 2? Old SP's database reflects the correct SV information, including status = sending. 3? Old SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS. 4? New SOA receives the statusAttributeValueChange. 5? New SP's database reflects the correct SV information, including status = sending. 6? New SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.
3.	NPAC	NPAC sends an M-CREATE for the subscription version to each Local SMS, that is accepting downloads for the NPA-NXX of the subscription version.	All LSMSs	7? NPAC waits for a response from each LSMS. 8? NPAC retries any LSMS that has not responded. 9? No response, or an error, is received from at least one, but not each, LSMS.
10?4.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of "partially failed", along with the subscriptionFailed-SP-List, to the Old SOA and the New SOA.	Old SOA, New SOA	11?Old SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS. 12?New SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.
13?5.	SP	The SP that "brought down" their LSMS association prior to the activate request, re-associates their LSMS, along with a Recovery Mode Flag equal to FALSE.	NPAC	The "downed" LSMS is re-associated.
6.	NPAC	1? NPAC personnel take action to resend a failed activate request for a subscription version. 2? NPAC sends an M-CREATE for the subscription version to the previously failed LSMS.	LSMS	The LSMS confirms the M-CREATE and reports successful operation.
7.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of "active" , to the Old SOA and the New SOA.	Old SOA; New SOA	14?Old SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS. 15?New SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	SV_23	**Priority:**	Mandatory
Objective:	Current SP SOA Immediate Disconnect of a Single TN, Active SV, Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	R5-11, R5-62, RR5-23.1, RR5-23.2, RR5-23.3, RN5-10, R5-65.1, R5-65.4, R5-65.5, R5-65.6, R5-66.2, R5-66.3
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.4.1

C. TIME ESTIMATE

Estimated Execution Time:	[20 to 30 minutes]	**Estimated Prerequisite Setup Time:**	[10 minutes]	**Estimated NPAC Setup Time:**	[10 minutes]	**Estimated SP Setup Time:**	[10 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	An active SV exists for the current SP.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	Current SP	Current SOA sends an M-ACTION to the NPAC to immediately disconnect an active subscription version.	NPAC	1? NPAC receives the subscriptionVersionDisconnect M-ACTION request from the Current SOA. 2? NPAC updates the subscriptionVersionNPAC object by setting the subscriptionCustomerDisconnectDate (according to the disconnect request), subscriptionModifiedTimeStamp, and subscriptionBroadcastTimeStamp. 3? NPAC sets the subscriptionVersionStatus to "sending". 4? NPAC sends an M-ACTION response with success.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of "sending", to the Current SOA.	Current SOA	1? Current SOA receives the statusAttributeValueChange. 2? Current SP's database reflects the correct SV information, including status = sending. 3? Current SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.
4? 3.	NPAC	NPAC sends an M-EVENT-REPORT with a notification that the SV is being disconnected, along with the customer disconnect date, to the Donor SOA.	Donor SOA	5? Donor SOA receives the notification. 6? Donor SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.
7? 4.	NPAC	NPAC sends an M-DELETE for the subscription version to each Local SMS, that is accepting downloads for the NPA-NXX of the subscription version.	All LSMSs	All accepting LSMSs confirm the M-DELETE and report successful operation.
5.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of "old" , to the Current SOA.	Current SOA	Current SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	SV_24	**Priority:**	Mandatory
Objective:	Current SP SOA Deferred Disconnect of a Single TN, Active SV, Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	R5-11, R5-62, RR5-23.1, RR5-23.2, RR5-23.3, RN5-10, R5-65.4, R5-65.5, R5-65.6, R5-66.2, R5-66.3, RR5-24, RR5-25.1, RR5-25.2, R5-65.2
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.4.2

C. TIME ESTIMATE

Estimated Execution Time:	[20 to 30 minutes]	**Estimated Prerequisite Setup Time:**	[10 minutes]	**Estimated NPAC Setup Time:**	[10 minutes]	**Estimated SP Setup Time:**	[10 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	An active SV exists for the current SP.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	Current SP	Current SOA sends an M-ACTION to the NPAC to disconnect an active subscription version, at a future date and time.	NPAC	1? NPAC receives the subscriptionVersionDisconnect M-ACTION request from the Current SOA. 2? NPAC updates the subscriptionVersionNPAC object by setting the subscriptionEffectiveReleaseDate (according to the future date and time), and subscriptionModifiedTimeStamp. 3? NPAC sets the subscriptionVersionStatus to "disconnect pending". 4? NPAC sends an M-ACTION response with success.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of “disconnect pending” , to the Current SOA.	Current SOA	1? Current SOA receives the statusAttributeValueChange. 2? Current SP’s database reflects the correct SV information, including status = disconnect pending. 3? Current SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.
4? 3.	NPAC	1? NPAC waits for the subscriptionEffectiveReleaseDate to arrive. 2? Upon reaching the future date and time, the NPAC sets the subscriptionCustomerDisconnectDate, subscriptionModifiedTimeStamp, and subscriptionBroadcastTimeStamp. 3? NPAC sets the subscriptionVersionStatus to "sending". 4? NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of “sending” , to the Current SOA.	Current SOA	5? Current SOA receives the statusAttributeValueChange. 6? Current SP’s database reflects the correct SV information, including status = sending. 7? Current SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.
8? 4.	NPAC	NPAC sends an M-EVENT-REPORT with a notification that the SV is being disconnected, along with the customer disconnect date, to the Donor SOA.	Donor SOA	9? Donor SOA receives the notification. 10? Donor SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.
11?5.	NPAC	NPAC sends an M-DELETE for the subscription version to each Local SMS, that is accepting downloads for the NPA-NXX of the subscription version.	All LSMSs	All accepting LSMSs confirm the M-DELETE and report successful operation.
6.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of “old” , to the Current SOA.	Current SOA	Current SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	SV_25	**Priority:**	Mandatory
Objective:	Current SP SOA Deferred Disconnect of a Single TN, Active SV, Partial Failure and NPAC resend		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	R5-11, R5-62, RR5-23.1, RR5-23.2, RR5-23.3, RN5-10, R5-65.4, R5-65.5, R5-65.6, R5-66.2, R5-66.3, RR5-24, RR5-25.1, RR5-25.2, R5-65.2, RR5-38.(1, 2, 3, 5, 6, 8), R5-68.(5 through 10)
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.4.4, 6.5.4.5

C. TIME ESTIMATE

Estimated Execution Time:	[20 to 30 minutes]	**Estimated Prerequisite Setup Time:**	[10 minutes]	**Estimated NPAC Setup Time:**	[10 minutes]	**Estimated SP Setup Time:**	[10 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	NPA-NXX filters have been set up to ONLY broadcast to LSMSs that are currently associated to the NPAC (exclusive of the single LSMS that is NOT associated for purposes of this test case).
Prerequisite SP Setup:	1? An active SV exists for the current SP. 2? Disconnect date is a future date and time. 3? One of the LSMSs should “bring down” their association prior to sending the activation request to the NPAC.

4?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	Current SP	Current SOA sends an M-ACTION to the NPAC to disconnect an active subscription version, at a future date and time.	NPAC	1? NPAC receives the subscriptionVersionDisconnect M-ACTION request from the Current SOA. 2? NPAC updates the subscriptionVersionNPAC object by setting the subscriptionEffectiveReleaseDate (according to the future date and time), and subscriptionModifiedTimeStamp. 3? NPAC sets the subscriptionVersionStatus to "disconnect pending". 4? NPAC sends an M-ACTION response with success.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of "disconnect pending" , to the Current SOA.	Current SOA	1? Current SOA receives the statusAttributeValueChange. 2? Current SP's database reflects the correct SV information, including status = disconnect pending. 3? Current SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.
4? 3.	NPAC	1? NPAC waits for the subscriptionEffectiveReleaseDate to arrive. 2? Upon reaching the future date and time, the NPAC sets the subscriptionCustomerDisconnectDate, subscriptionModifiedTimeStamp, and subscriptionBroadcastTimeStamp. 3? NPAC sets the subscriptionVersionStatus to "sending". 4? NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of "sending" , to the Current SOA.	Current SOA	5? Current SOA receives the statusAttributeValueChange. 6? Current SP's database reflects the correct SV information, including status = sending. 7? Current SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.
8? 4.	NPAC	NPAC sends an M-EVENT-REPORT with a notification that the SV is being disconnected, along with the customer disconnect date, to the Donor SOA.	Donor SOA	9? Donor SOA receives the notification. 10? Donor SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.
11?5.	NPAC	NPAC sends an M-DELETE for the subscription version to each Local SMS, that is accepting downloads for the NPA-NXX of the subscription version.	All LSMSs	12? NPAC waits for a response from each LSMS. 13? NPAC retries any LSMS that has not responded. 14? No response, or an error, is received from at least one, but not each, LSMS.
15?6.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of "partially failed", along with the subscriptionFailed-SP-List, to the Current SOA.	Current SOA	Current SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.
7.	SP	The SP that "brought down" their LSMS association prior to the disconnect request, re-associates their LSMS, along with a Recovery Mode Flag equal to FALSE.	NPAC	The "downed" LSMS is re-associated.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
8.	NPAC	1? NPAC personnel take action to resend a failed disconnect request for a subscription version. 2? NPAC sends an M-DELETE for the subscription version to the previously failed LSMS.	LSMS	The LSMS confirms the M-DELETE and reports successful operation.
9.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of “old” , to the Current SOA.	Current SOA	Current SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	SV_26	**Priority:**	Conditional
Objective:	New SOA Initiates Create SV, Range of TNs, Inter Port, Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	R5-5, R5-7, R5-15, R5-16, R5-18.(1 through 10), R5-19.1, R5-19.2, R5-20.(1 through 5), R5-21.6, R5-21.7
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.1.2, 6.5.1.6.2

C. TIME ESTIMATE

Estimated Execution Time:	[20 to 30 minutes]	**Estimated Prerequisite Setup Time:**	[10 minutes]	**Estimated NPAC Setup Time:**	[10 minutes]	**Estimated SP Setup Time:**	[10 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	Test Case [ ] where TN was previously ported / activated. This Test Case [SV_x] creates a new port, but Not Porting to Original SP.
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	1? Old SP owns the NPA-NXX that is open for porting. 2? TNs within this NPA-NXX have been previously ported (so no "first time usage" messages are sent out). 3? New SP owns the switch associated with the valid LRN. 4? New SP due date is set to a future date.

5?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
		1?		
1.	Old SOA	Old SOA initiates a new subscription version M-Create with valid attributes: 2? SubscriptionTNRange 3? SubscriptionNewCurrentSP 4? SubscriptionOldSP 5? subscriptionOldSP-DueDate 6? subscriptionOldSP-Authorization 7? subscriptionLNPType	NPAC	1? NPAC receives the valid request from Old SOA. 2? NPAC creates the subscriptionVersionNPAC object. 3? NPAC sets status to "pending" 4? NPAC sets the subscriptionOldSP-AuthorizationTimeStamp and subscriptionModifiedTimeStamp. 5? NPAC sends action reply with success.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2.	NPAC	NPAC sends M-Event Report to Old SOA and New SOA with an object creation notification, for each TN within the range, containing: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSp-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionVersionStatus • subscription version id	Old SOA; New SOA	1? Old SOA receives the object creation notification. 2? Old Service Provider's database reflects the correct subscription version information, including status = pending. 3? Old SOA confirms the M-Event Report. 4? New SOA receives the object creation notification. 5? New Service Provider's database reflects the correct subscription version information, including status = pending. 6? New SOA confirms the M-Event Report.
3.	NPAC	• NPAC sets the Initial Concurrence Window timer and waits for New SOA to concur. • Initial Window expires. NPAC sets Final Concurrence Window. • Then NPAC sends to New SOA the subscription Version New SP Create Request Notification, for each TN within the range: • TN, • subscription version id, • Old SP id, • Old SP due date, • Old SP Authorization, • Old SP Authorization time stamp, • Status Change Cause Code.	New SOA	7? This step sets up the condition for next Test Case [SV_x]. 8? See Test Case [SV_x] where New SOA sends a concurrence or "second" subscription version M-Create. See Test Case [SV_x]. 9? If New SOA does not send in concurrence before Final Window, then NPAC will cancel subscription version. See Test Case for cancellation.

A. TEST IDENTITY

Test Case Number:	SV_27	**Priority:**	Conditional
Objective:	New SOA Initiates Modify Pending SV, Range of TNs, Inter Port, Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	R5-8.1, R5-27.1, R5-28, R5-29.(1-5), R5-30.1, R5-30.2, R5-31.3
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.2.3, [or 6.5.2.4 with M-Set]

C. TIME ESTIMATE

Estimated Execution Time:	[20 to 30 minutes]	**Estimated Prerequisite Setup Time:**	[10 minutes]	**Estimated NPAC Setup Time:**	[10 minutes]	**Estimated SP Setup Time:**	[10 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	Test Case [SV_x] where range of TNs was created.
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	New SOA	New SOA initiates a request to modify a pending subscription version by specifying: • SubscriptionTNRange • AND version status. New SOA requests to modify only the Due Date. [See 6.5.2.3 for New SOA modifiable attributes.]	NPAC	1? NPAC receives the valid request from New SOA. 2? NPAC sets the Due Date in the subscriptionVersionNPAC object and sets the subscriptionModifiedTimeStamp 3? NPAC does not change the status [remains pending]. 4? NPAC sends M-ACTION reply with success.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2.	NPAC	NPAC sends an M-Event Report with Attribute Value Change for all the updated attributes, to the Old SOA and the New SOA.	Old SOA; New SOA	1? Old SOA receives the Attribute Value Change. 2? Old Service Provider's database reflects the change in attribute 3? Old SOA issues M-Event Report confirmation. 4? New SOA receives the Attribute Value Change. 5? New Service Provider's database reflects the change in attribute 6? New SOA issues M-Event Report confirmation.

A. TEST IDENTITY

Test Case Number:	SV_28	**Priority:**	Conditional
Objective:	New SP SOA Activates a Range of TNs, Inter Port, Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	R5-9, R5-51.1, R5-51.2, RR5-22, R5-52, R5-53.1, R5-53.2, R5-53.3, R5-55, R5-57.1, R5-57.2, R5-57.3, R5-58.1, R5-59.1, R5-59.2
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.1.6.1

C. TIME ESTIMATE

Estimated Execution Time:	[20 to 30 minutes]	**Estimated Prerequisite Setup Time:**	[10 minutes]	**Estimated NPAC Setup Time:**	[10 minutes]	**Estimated SP Setup Time:**	[10 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	NPA-NXX filters have been set up to ONLY broadcast to LSMSs that are currently associated to the NPAC.
Prerequisite SP Setup:	1? A TN range of pending inter-service provider ports exists. 2? Due date equals the current date.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	New SP	New SOA sends an M-ACTION to the NPAC to activate a range of pending subscription versions.	NPAC	1? NPAC receives the subscriptionVersionActivate M-ACTION request from the New SOA. 2? NPAC updates the subscriptionVersionNPAC object by setting the subscriptionVersionActivationTimeStamp and subscriptionModifiedTimeStamp, for each TN in the range. 3? NPAC sets the subscriptionVersionStatus to "sending", for each TN in the range. 4? NPAC sends an M-ACTION response with success.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of "sending", for each TN in the range, to the Old SOA and the New SOA.	Old SOA; New SOA	1? Old SOA receives the statusAttributeValueChange, for each TN in the range. 2? Old SP's database reflects the correct SV information, including status = sending, for each TN in the range. 3? Old SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS, for each TN in the range. 4? New SOA receives the statusAttributeValueChange, for each TN in the range. 5? New SP's database reflects the correct SV information, including status = sending, for each TN in the range. 6? New SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS, for each TN in the range.
3.	NPAC	NPAC sends an M-ACTION for the TN Range of subscription versions, to each Local SMS, that is accepting downloads for the NPA-NXX of the subscription version.	All LSMSs	7? All accepting LSMSs confirm the M-ACTION and report successful receipt of the request. 8? All accepting LSMSs proceed to execute each CREATE specified in the ACTION.
9? 4.	All LSMSs	All accepting LSMSs send an M-EVENT-REPORT, indicating the ACTION status, and a list of failed TNs in the range (an empty list implied success for all TNs).	NPAC	NPAC confirms the receipt of the M-EVENT-REPORT from each LSMS.
5.	NPAC	NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of "active", "failed", or "partially failed", for each TN in the range, to the Old SOA and the New SOA.	Old SOA; New SOA	10?Old SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS, for each TN in the range. 11?New SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS, for each TN in the range.
12?6.	NPAC	If any of the TNs had been previously ported (i.e., the current port is the second or greater time this TN has been ported), NPAC sends an M-EVENT-REPORT with a statusAttributeValueChange of "old", for the previously active subscriptionVersionNPAC object, to the Old SOA.	Old SOA	Old SOA responds by sending an M-EVENT-REPORT confirmation back to the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	SV_29	**Priority:**	Conditional
Objective:	Current SP SOA Immediate Disconnect of a Range of TNs, Active SVs, Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	R5-11, R5-62, RR5-23.1, RR5-23.2, RR5-23.3, RN5-10, R5-65.1, R5-65.4, R5-65.5, R5-65.6, R5-66.2, R5-66.3
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.4.1

C. TIME ESTIMATE

Estimated Execution Time:	[20 to 30 minutes]	**Estimated Prerequisite Setup Time:**	[10 minutes]	**Estimated NPAC Setup Time:**	[10 minutes]	**Estimated SP Setup Time:**	[10 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	A range of active SVs exists for the current SP.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.		1? Follow steps as specified in test case SV_x. 2? Use TN range.		See test case SV_x. NOTE: The M-DELETE contains the range of TNs to be disconnected, and are sent out as a single message. The LSMSs send back a single message in the form of a “linked-reply” that details each TN in the range.

A. TEST IDENTITY

Test Case Number:	SV_30	**Priority:**	Conditional
Objective:	SP SOA SV Query		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	R5-13, R5-72, R5-73, R5-74.1, R5-74.2, R5-74.3, R5-75, RN5-4, RN5-5, RN5-6, RR5-40
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.6

C. TIME ESTIMATE

Estimated Execution Time:	[20 to 30 minutes]	**Estimated Prerequisite Setup Time:**	[10 minutes]	**Estimated NPAC Setup Time:**	[10 minutes]	**Estimated SP Setup Time:**	[10 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	A range of ported SVs exists for the NPA-NXX.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP SOA	SP SOA sends M-GET (scoped/filtered) for one or more subscription versions.	NPAC	1? NPAC receives the M-GET request from the SP SOA. 2? NPAC replies with the requested subscriptionVersion data if the requested number of records is less than or equal to "MaxSubscriberQuery", otherwise a complexityLimitation error will be returned. 3? If the request is valid, the NPAC replies with the following query return data: 3subscriptionTN subscriptionLRN subscriptionNewCurrentSP subscriptionOldSP subscriptionNewSP-DueDate subscriptionNewSP-CreationTimeStamp subscriptionOldSP-DueDate subscriptionOldSP-Authorization subscriptionOldSP-AuthorizationTimeStamp subscriptionActivationTimeStamp subscriptionBroadcastTimeStamp subscriptionConflictTimeStamp subscriptionCustomerDisconnectDate

	subscriptionDisconnectCompleteTimeStamp subscriptionEffectiveReleaseDate subscriptionVersionStatus subscriptionCLASS-DPC subscriptionCLASS-SSN subscriptionLIDB-DPC subscriptionLIDB-SSN subscriptionCNAM-DPC subscriptionCNAM-SSN subscriptionISVM-DPC subscriptionISVM-SSN subscriptionEndUserLocationValue subscriptionEndUserLocationType subscriptionBillingId subscriptionLNPType subscriptionPreCancellationStatus subscriptionCancellationTimeStamp subscriptionOldTimeStamp subscriptionModifiedTimeStamp subscriptionCreationTimeStamp subscriptionOldSP-CancellationTimeStamp subscriptionNewSP-CancellationTimeStamp subscriptionOldSP-ConflictResolutionTimeStamp subscriptionNewSP-ConflictResolutionTimeStamp subscriptionPortingToOriginal-SPSwitch subscriptionFailedSP-List subscriptionDownloadReason

A. TEST IDENTITY

Test Case Number:	SV_31	**Priority:**	Conditional
Objective:	SP LSMS SV Query		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	R5-13, R5-72, R5-73, R5-74.1, R5-74.2, R5-74.4, R5-75, RN5-4, RN5-5, RN5-6, RR5-40
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.5.6

C. TIME ESTIMATE

Estimated Execution Time:	[20 to 30 minutes]	**Estimated Prerequisite Setup Time:**	[10 minutes]	**Estimated NPAC Setup Time:**	[10 minutes]	**Estimated SP Setup Time:**	[10 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	A range of ported SVs exists for the NPA-NXX.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.		1? Follow steps as specified in test case SV_x, with the exception of initiating the request from the LSMS instead of the SOA. 2? Use TN range.		See test case SV_x.

Audit Test Cases:

A. TEST IDENTITY

Test Case Number:	AUD_1	**Priority:**	Conditional
Objective:	SOA Initiates Full Audit (all data attributes), Single TN, No Discrepancies		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.2.1

C. TIME ESTIMATE

Estimated Execution Time:	15 minutes	**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**	5 minutes	**Estimated SP Setup Time:**	5 minutes

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	1? SV exists for requested TNs. 2? No discrepancies exist between NPAC and the audited LSMS.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1	SOA	SP SOA sends a full audit request to NPAC specifying the following: • subscription Audit Name • subscription Audit Requesting SP • subscription Audit SP ID Range* • subscription Audit TN • subscription Audit Attribute List (all data attributes) • subscription Audit TN Activation range. [If SP supports the implementation]	NPAC	1? NPAC receives the valid request from SOA. 2? NPAC responds to SOA's M-Create request. 3? NPAC sets audit status to "in-progress."

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2	NPAC	NPAC sends M-Event Report of the audit object creation to SOA.	SOA	SOA confirms receipt of the M-Event Report.
3	NPAC	NPAC begins audit. NPAC issues a scoped and filtered M-GET for the SVs in the audit to all LSMSs accepting downloads for the NPA-NXX of the SV.	LSMS	LSMSs return the M-Get query for data.
4	NPAC	NPAC compares each SV object. No discrepancies found. NPAC sets audit status to complete. NPAC records audit results in audit log. NPAC issues subscription Audit Results M-Event Report to SOA.	SOA	SOA confirms the Audit Result M-Event Report from NPAC.
5	NPAC	NPAC deletes the subscription Audit object on the NPAC.	NPAC	The Audit object is deleted

A. TEST IDENTITY

Test Case Number:	AUD_2	**Priority:**	Mandatory
Objective:	NPAC Initiates Full Audit (all data attributes), Single TN, No Discrepancies		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.2.4

C. TIME ESTIMATE

Estimated Execution Time:	15 minutes	**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**	5 minutes	**Estimated SP Setup Time:**	5 minutes

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	1? SV exists for requested TNs. 2? No discrepancies exist between NPAC and the audited LSMS.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1	NPAC	NPAC initiates a full audit. NPAC creates the subscription audit object.	NPAC	1? NPAC sets the audit status to “in progress.”

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2	NPAC	NPAC sends M-GET for the SVs in the full audit to LSMSs to retrieve the subscription data. NPAC uses scope and filtering to retrieve only the SV objects to be audited.	LSMS	LSMSs return the scoped and filtered M-Get for data.
3	NPAC	NPAC compares each SV object. No discrepancies found. NPAC sets audit status to complete. NPAC records audit results in audit log.		
4	NPAC	NPAC deletes the subscription Audit object on the NPAC.	NPAC	The Audit object is deleted

A. TEST IDENTITY

Test Case Number:	AUD_3	**Priority:**	Conditional
Objective:	SOA Initiates Full Audit (all data attributes), Range TN, No Discrepancies		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.2.1

C. TIME ESTIMATE

Estimated Execution Time:	15 minutes	**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**	5 minutes	**Estimated SP Setup Time:**	5 minutes

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	1? SV exists for requested TNs. 2? No discrepancies exist between NPAC and the audited LSMS.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1	SOA	SP SOA sends a full audit request to NPAC specifying the following: • subscription Audit Name • subscription Audit Requesting SP • subscription Audit SP ID Range* • subscription Audit TN Range • subscription Audit Attribute List (all data attributes) • subscription Audit TN Activation Range. [If SP supports the implementation]	NPAC	1? NPAC receives the valid request from SOA. 2? NPAC responds to SOA's M-Create request. 3? NPAC sets audit status to "in-progress."

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2	NPAC	NPAC sends M-Event Report of the audit object creation to SOA.	SOA	SOA confirms receipt of the M-Event Report.
3	NPAC	NPAC begins audit. NPAC issues a scoped and filtered M-GET for the SVs in the audit to all LSMSs accepting downloads for the NPA-NXX of the SV.	LSMS	LSMSs return the M-Get query for data.
4	NPAC	NPAC compares each SV object. No discrepancies found. NPAC sets audit status to complete. NPAC records audit results in audit log. NPAC issues subscription Audit Results M-Event Report to SOA.	SOA	SOA confirms the Audit Result M-Event Report from NPAC.
5	NPAC	NPAC deletes the subscription Audit object on the NPAC.	NPAC	The Audit object is deleted

A. TEST IDENTITY

Test Case Number:	AUD_4	**Priority:**	Conditional
Objective:	SOA Initiates Partial Audit (some data attributes), Range TN, With Discrepancies		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.2.1

C. TIME ESTIMATE

Estimated Execution Time:	15 minutes	**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**	5 minutes	**Estimated SP Setup Time:**	5 minutes

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	1? SV exists for requested TNs. 2? Discrepancies exist between NPAC and the audited LSMS.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1	SOA	SP SOA sends a partial audit request to NPAC specifying the following: • subscription Audit Name • subscription Audit Requesting SP • subscription Audit SP ID Range • subscription Audit TN Range • subscription Audit Attribute List (some data attributes) • subscription Audit TN Activation Range.	NPAC	1? NPAC receives the valid request from SOA. 2? NPAC responds to SOA's M-Create request. 3? NPAC sets audit status to "in-progress."

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2	NPAC	NPAC sends M-Event Report of the audit object creation to SOA.	SOA	SOA confirms receipt of the M-Event Report.
3	NPAC	NPAC begins audit. NPAC issues a scoped and filtered M-GET for the SVs in the audit to all LSMSs accepting downloads for the NPA-NXX of the SV.	LSMS	LSMSs return the M-Get query for data.
4	NPAC	NPAC compares each SV object. Discrepancies are found. NPAC issues a subscription Audit Discrepancy Report M Event Report to SOA. NPAC issues corrections to LSMSs [M Create, M Delete, or M Set].	SOA; LSMS	SOA confirms the discrepancy M-Event Report from NPAC. LSMSs perform the corrections received from NPAC.
5		NPAC sets audit status to complete. NPAC records audit results in audit log. NPAC issues subscription Audit Results M-Event Report to SOA.	SOA	SOA confirms the audit results M-Event Report from NPAC.
6	NPAC	NPAC deletes the subscription Audit object on the NPAC.	NPAC	The Audit object is deleted

A. TEST IDENTITY

Test Case Number:	AUD_5	**Priority:**	Conditional
Objective:	SOA Initiates Partial Audit (some data attributes), Single TN, With Discrepancies		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.2.1

C. TIME ESTIMATE

Estimated Execution Time:	30 minutes	**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**	5 minutes	**Estimated SP Setup Time:**	5 minutes

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	1? SV exists for requested TNs. 2? Discrepancies exist between NPAC and the audited LSMS.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1	SOA	SP SOA sends a partial audit request to NPAC specifying the following: • subscription Audit Name • subscription Audit Requesting SP • subscription Audit SP ID Range* • subscription Audit TN • subscription Audit Attribute List (some data attributes) • subscription Audit TN Activation Range. [If SP supports the implementation]	NPAC	1? NPAC receives the valid request from SOA. 2? NPAC responds to SOA's M-Create request. 3? NPAC sets audit status to "in-progress."

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2	NPAC	NPAC sends M-Event Report of the audit object creation to SOA.	SOA	SOA confirms receipt of the M-Event Report.
3	NPAC	NPAC begins audit. NPAC issues a scoped and filtered M-GET for the SVs in the audit to all LSMSs accepting downloads for the NPA-NXX of the SV.	LSMS	LSMSs return the M-Get query for data.
4	NPAC	NPAC compares each SV object. Discrepancies are found. NPAC issues a subscription Audit Discrepancy Report M Event Report to SOA. NPAC issues corrections to LSMSs [M Create, M Delete, or M Set].	SOA; LSMS	SOA confirms the discrepancy M-Event Report from NPAC. LSMSs perform the corrections received from NPAC.
5		NPAC sets audit status to complete. NPAC records audit results in audit log. NPAC issues subscription Audit Results M-Event Report to SOA.	SOA	SOA confirms the audit results M-Event Report from NPAC.
6	NPAC	NPAC deletes the subscription Audit object on the NPAC.	NPAC	The Audit object is deleted

A. TEST IDENTITY

Test Case Number:	AUD_6	**Priority:**	Mandatory
Objective:	NPAC Initiates Partial Audit (some data attributes), Single TN, With Discrepancies		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.2.4

C. TIME ESTIMATE

Estimated Execution Time:	30 minutes	**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**	5 minutes	**Estimated SP Setup Time:**	5 minutes

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	1? SV exists for requested TNs. 2? Discrepancies exist between NPAC and the audited LSMS.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1	NPAC	NPAC initiates a partial audit. NPAC creates the subscription audit object.	NPAC	NPAC sets the audit status to “in progress.”

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2	NPAC	NPAC sends M-GET for the SVs in the audit to LSMSs to retrieve the subscription data. NPAC uses scope and filtering to retrieve only the SV objects to be audited.	LSMS	LSMSs return the scoped and filtered M-Get for data.
3	NPAC	NPAC compares each SV object. Discrepancies are found. NPAC issues corrections to LSMSs [M Create, M Delete, or M Set].	LSMS	LSMSs perform the corrections received from NPAC.
4	NPAC	NPAC sets audit status to complete. NPAC records audit results in audit log.		
5	NPAC	NPAC deletes the subscription Audit object on the NPAC.	NPAC	The Audit object is deleted

A. TEST IDENTITY

Test Case Number:	AUD_7	**Priority:**	Mandatory
Objective:	NPAC Initiates Partial Audit (some data attributes), Range TN, With Discrepancies		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	6.2.4

C. TIME ESTIMATE

Estimated Execution Time:	30 minutes	**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**	5 minutes	**Estimated SP Setup Time:**	5 minutes

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	1? SV exists for requested TNs. 2? Discrepancies exist between NPAC and the audited LSMS.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1	NPAC	NPAC initiates a partial audit. NPAC creates the subscription audit object.	NPAC	NPAC sets the audit status to “in progress.”

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2	NPAC	NPAC sends M-GET for the SVs in the audit to LSMSs to retrieve the subscription data. NPAC uses scope and filtering to retrieve only the SV objects to be audited.	LSMS	LSMSs return the scoped and filtered M-Get for data.
3	NPAC	NPAC compares each SV object. Discrepancies are found. NPAC issues corrections to LSMSs [M Create, M Delete, or M Set].	LSMS	LSMSs perform the corrections received from NPAC.
4	NPAC	NPAC sets audit status to complete. NPAC records audit results in audit log.		
5	NPAC	NPAC deletes the subscription Audit object on the NPAC.	NPAC	The Audit object is deleted

NPA Split Test Cases:

A. TEST IDENTITY

Test Case Number:	**split_1**	**Priority:**	Conditional *Not all implementations may send the Old NPA-NXX during permissive dial.
Objective:	SOA – Acting as the Old SP, Create Subscription Version using Old NPA-NXX involved in a NPA-Split, during permissive dial period		

B. REFERENCES

NANC Change Order Revision Number:	NANC Change Order Rev 40	**Change Order Number(s):**	NANC 193
NANC FRS Version Number:	V1.7	**Relevant Requirement(s):**	RN3-2 and section 3.5
NANC IIS Version Number:	V1.7	**Relevant Flow(s):**	

C. TIME ESTIMATE

Estimated Execution Time:	[25 minutes]	**Estimated Prerequisite Setup Time:**	[0 minutes]	**Estimated NPAC Setup Time:**	[15 minutes]	**Estimated SP Setup Time:**	[15 minutes]

D. PREREQUISITE

	Prerequisite Test Cases:	
	Prerequisite NPAC Setup:	1? NPAC has created NPA Split on their local database 2? NPAC has provisioned records for the NPA Split 3? NPA-NXX to be used in the SV Create is open for porting 4? In the midst of Permissive Dial Period 5? One or more LSMS(s) has an association to the NPAC
6?	**Prerequisite SP Setup:**	7? SP has create NPA Split on their SOA and LSMS systems 8? SP has provisioned records for the NPA Split 9? It is during the permissive dial period

10?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1?	Old SP SOA	Create a Subscription Version on the SOA, include the following information: subscription TN (using the Old NPA-NXX that is involved in the split) SubscriptionNewCurrentSP SubscriptionOldSP SubscriptionOldSP-Due Date SubscriptionOldSP – Authorization (=true) SubscriptionLNPType Submit the request to the NPAC.	Old SP SOA	The SOA submits an M-ACTION request subscriptionVersion OldSP-Create via the SOA to NPAC interface.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1?	NPAC	NPAC receives the M-ACTION Request from the New SP SOA and determines that the request is valid.	NPAC	1? NPAC creates the subscriptionVersion NPAC object 2? NPAC sets the SV status to “pending” 3? NPAC sets the subscription OldSP-AuthorizationTimeStamp and subscriptionModifiedTimeStamp
2?	NPAC	Send M-ACTION Response to Old SP SOA indicating successful subscriptionversionObjectCreation on the NPAC.	Old SP SOA	Old SP SOA receives the M-ACTION from the NPAC.
3?	NPAC	NPAC sends an M-EVENT-REPORT with the following information to the Old SP SOA: SubscriptionTN (using the New NPA-NXX involved in the split) SubscriptionOldSP SubscriptionNewCurrentSP SubscriptionOldSP-DueDate SubscriptionOldSP-Authorization subscriptionVersionStatus	Old SP SOA	Old SOA receives the M-EVENT-REPORT from the NPAC and responds back to the NPAC with an M-EVENT-REPORT Confirmation successful.
4?	NPAC	NPAC sends M-EVENT-REPORT to the new SP SOA of the subscriptionVersion NPAC creation.	New SP SOA	New SP SOA receives the M-EVENT-REPORT from the NPAC (referencing the New NPA-NXX involved in the split) and responds back to the NPAC with an M-EVENT-REPORT Confirmation successful.

A. TEST IDENTITY

Test Case Number:	**split_2**	**Priority:**	Conditional
Objective:	SOA – Acting as Old SP, Create Subscription Version using New NPA-NXX involved in a NPA-Split, during permissive dial period		

B. REFERENCES

NANC Change Order Revision Number:	NANC Change Order Rev 40	**Change Order Number(s):**	NANC 193
NANC FRS Version Number:	V1.7	**Relevant Requirement(s):**	RN3-2 and section 3.5
NANC IIS Version Number:	V1.7	**Relevant Flow(s):**	

C. TIME ESTIMATE

Estimated Execution Time:	25 minutes]	**Estimated Prerequisite Setup Time:**	[0 minutes]	**Estimated NPAC Setup Time:**	[15 minutes]	**Estimated SP Setup Time:**	[15 minutes]

D. PREREQUISITE

	Prerequisite Test Cases:	
	Prerequisite NPAC Setup:	1? NPAC has created NPA Split on their local database 2? NPAC has provisioned records for the NPA Split 3? NPA-NXX to be used in the SV Create is open for porting 4? In the midst of Permissive Dial Period 5? One or more LSMS(s) has an association to the NPAC
6?	**Prerequisite SP Setup:**	7? SP has create NPA Split on their SOA and LSMS systems 8? SP has provisioned records for the NPA Split 9? It is during the permissive dial period

10?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1?	Old SP SOA	Create a Subscription Version on the SOA, include the following information: subscription TN (using the New NPA-NXX that is involved in the split) SubscriptionNewCurrentSP SubscriptionOldSP SubscriptionOldSP-Due Date SubscriptionOldSP – Authorization (=true) SubscriptionLNPType Submit the request to the NPAC.	Old SP SOA	The SOA submits an M-ACTION request subscriptionVersion OldSP-Create via the SOA to NPAC interface.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1?	NPAC	NPAC receives the M-ACTION Request from the New SP SOA and determines that the request is valid.	NPAC	1? NPAC creates the subscriptionVersion NPAC object 2? NPAC sets the SV status to “pending” 3? NPAC sets the subscription OldSP-AuthorizationTimeStamp and subscriptionModifiedTimeStamp
2?	NPAC	Send M-ACTION Response to Old SP SOA indicating successful subscriptionversionObjectCreation on the NPAC.	Old SP SOA	Old SP SOA receives the M-ACTION from the NPAC.
3?	NPAC	NPAC sends an M-EVENT-REPORT with the following information to the Old SP SOA: SubscriptionTN (using the New NPA-NXX involved in the split) SubscriptionOldSP SubscriptionNewCurrentSP SubscriptionOldSP-DueDate SubscriptionOldSP-Authorization subscriptionVersionStatus	Old SP SOA	Old SOA receives the M-EVENT-REPORT from the NPAC and responds back to the NPAC with an M-EVENT-REPORT Confirmation successful.
4?	NPAC	NPAC sends M-EVENT-REPORT to the new SP SOA of the subscriptionVersion NPAC creation.	New SP SOA	New SP SOA receives the M-EVENT-REPORT from the NPAC (referencing the New NPA-NXX involved in the split) and responds back to the NPAC with an M-EVENT-REPORT Confirmation successful.

A. TEST IDENTITY

Test Case Number:	**split_3**	**Priority:**	Conditional
Objective:	SOA – Acting as Old SP, Activate Subscription Version using Old NPA-NXX involved in a NPA-Split, during permissive dial period		

B. REFERENCES

NANC Change Order Revision Number:	NANC Change Order Rev 40	**Change Order Number(s):**	NANC 193
NANC FRS Version Number:	V1.7	**Relevant Requirement(s):**	RN3-2 and section 3.5
NANC IIS Version Number:	V1.7	**Relevant Flow(s):**	

C. TIME ESTIMATE

Estimated Execution Time:	[30 minutes]	**Estimated Prerequisite Setup Time:**	[25 minutes]	**Estimated NPAC Setup Time:**	[25 minutes]	**Estimated SP Setup Time:**	[25 minutes]

D. PREREQUISITE

	Prerequisite Test Cases:	1? Split_1 2? New SP second create to split_1
3?	**Prerequisite NPAC Setup:**	4? NPAC has created NPA Split on their local database 5? NPAC has provisioned records for the NPA Split 6? NPA-NXX to be used in the SV Create is open for porting 7? In the midst of Permissive Dial Period 8? One or more LSMS(s) has an association to the NPAC
9?	**Prerequisite SP Setup:**	10? SP has create NPA Split on their SOA and LSMS systems 11? SP has provisioned records for the NPA Split 12? It is during the permissive dial period

13?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1?	New SP SOA	Submit an Activate request to the NPAC using a TN with the Old NPA-NXX involved in a split.	New SP SOA	New SP SOA submits M-ACTION request for a subscriptionVersionActivate to the NPAC SMS lnpSubscriptions object and specifies the subscription version ID, and subscription version TN.
2?	NPAC	NPAC issues M-SET to itself and sets the following information on the subscriptionVersionNPAC object: Sets the subscriptionVersionStatus to "sending" Sets the subscriptionVersionActivationTimeStamp to the current date and time Sets the subscriptionModifiedTimeStamp to the current date and time	NPAC	NPAC responds to the M-SET.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1?	NPAC	NPAC sends M-ACTION subscriptionVersionActivate Response to the New SP SOA (from this point, all messages from the NPAC will reference the New NPA-NXX involved in the split – and NOT the Old NPA-NXX).	New SP SOA	New SP SOA successfully receives the M-ACTION subscriptionVersionActivate Response from the NPAC.
2?	NPAC	c. NPAC sends a M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for the subscriptionVersionStatus being set to "sending" to the Old SP SOA.	Old SP SOA	Old SP SOA successfully receives the M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange from the NPAC and sends an M-EVENT-REPORT Confirmation to the NPAC.
3?	NPAC	d. NPAC sends a M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for the subscriptionVersionStatus being set to "sending" to the New SP SOA.	New SP SOA	New SP SOA successfully receives the M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange from the NPAC and sends an M-EVENT-REPORT Confirmation to the NPAC.
4?	NPAC	e. NPAC issues M-SET request and sets the following information on the subscriptionVersionNPAC object: f. Sets the subscriptionVersionStatus to "sending". g. Sets the subscriptionBroadcastTimeStamp to the current date and time.	NPAC	NPAC successfully accepts the M-Set and responds to the M-SET.
5?	NPAC	h. NPAC sends M-CREATE Request for the subscriptionVersion to each of the LSMSs for which a serviceproviderObject exists on the NPAC.	LSMS	1? Each LSMS accepts the M-CREATE. 2? The Subscription Version is instantiated on each LSMS database. 3? Each LSMS sends an M-CREATE response successful back to the NPAC.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1?	NPAC	i. After all LSMSs have responded to the M-CREATE, j. NPAC issues M-SET to updates the following information for the subscriptionVersionNPAC object: k. Sets the subscriptionVersionStatus to “active”. l. Sets the subscriptionActivationTimeStamp to the current date and time. m. Sets the subscriptionModifiedTimeStamp to the current date and time.	NPAC	NPAC successfully accepts the M-Set and responds to the M-SET.
2?	NPAC	n. NPAC sends M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange to the Old SP SOA setting the SubscriptionVersionStatus=active.	Old SP SOA	Old SP SOA receives the M-EVENT-REPORT, updates the subscription version status and sends a M-EVENT-REPORT Confirmation back to the NPAC.
3?	NPAC	o. NPAC sends M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange to the New SP SOA setting the SubscriptionVersionStatus=active.	New SP SOA	New SP SOA receives the M-EVENT-REPORT, updates the subscription version status and sends a M-EVENT-REPORT Confirmation back to the NPAC.

A. TEST IDENTITY

Test Case Number:	**split_4**	**Priority:**	Conditional
Objective:	SOA – Current SP, modify Active Subscription Version using Old NPA-NXX involved in a NPA-Split, during permissive dial period		

B. REFERENCES

NANC Change Order Revision Number:	NANC Change Order Rev 40	**Change Order Number(s):**	NANC 193
NANC FRS Version Number:	V1.7	**Relevant Requirement(s):**	RN3-2 and section 3.5
NANC IIS Version Number:	V1.7	**Relevant Flow(s):**	

C. TIME ESTIMATE

Estimated Execution Time:	[35 minutes]	**Estimated Prerequisite Setup Time:**	[30 minutes]	**Estimated NPAC Setup Time:**	[30 minutes]	**Estimated SP Setup Time:**	[30 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	Split_3
Prerequisite NPAC Setup:	1? NPAC has created NPA Split on their local database 2? NPAC has provisioned records for the NPA Split 3? NPA-NXX to be used in the SV Create is open for porting 4? In the midst of Permissive Dial Period 5? One or more LSMS(s) has an association to the NPAC
Prerequisite SP Setup:	7? SP has create NPA Split on their SOA and LSMS systems 8? SP has provisioned records for the NPA Split 9? It is during the permissive dial period

6?

10?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1?	SP	Using the SOA, submit a request to the NPAC to modify the LRN for a Subscription Version, using the Old NPA-NXX that is involved in a NPA Split in the TN.	SP	Current SP SOA submits an M-ACTION subscriptionVersionModify request to the NPAC SMS lnpSubscriptions object to modify the subscription version. The M-ACTION request will indicate the TN and status, OR the subscription version ID of the subscription version that needs to be modified.
2?	NPAC	NPAC accepts the M-ACTION request from the current SOA and performs data validation checks to verify that the request is valid.	NPAC	NPAC generates a M-SET request to itself and sets the following information on the subscriptionVersionNPAC object: Subscription version status is set to "sending" subscriptionBroadcastTimeStamp to the current date and time subscriptionModifiedTimeStamp to the current date and time The LRN field is updated with the new LRN value
3?	NPAC	NPAC generates M-SET to itself indicating success.	NPAC	NPAC generates M-ACTION Response to the Current SP SOA (using the New NPA-NXX that is involved in the split) indicating the NPAC successfully received the modification request.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1?	NPAC	p. NPAC generates M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange to the current SP SOA and sets the subscription version status to “sending”. q. (* note: this message, as well as all subsequent messages sent from the NPAC in this flow will reference the “New” NPA-NXX involved in the split)	SP	Current SP SOA receives the M-EVENT-REPORT from the NPAC, and sends an M-EVENT-REPORT Confirmation to the NPAC.
2?	NPAC	r. NPAC generates a M-EVENT-REPORT AttributeValueChange for the LRN that has been modified.	SP	Current SP SOA receives the M-EVENT-REPORT AttributeValueChange, and sends an M-EVENT-REPORT Confirmation to the NPAC.
3?	NPAC	s. NPAC generates a M-SET to all LSMS for which a serviceproviderObject exists on the NPAC, and are accepting downloads for the New NPA-NXX of the subscription version that is being modified.	SP	All LSMSs that are connected to the NPAC and accepting downloads for the New NPA-NXX involved in the split, send a M-SET response to the NPAC.
4?	NPAC	t. NPAC generates a M-SET itself to update the current subscriptionVersionNPAC object subscriptionVersionStatus to “active”.	NPAC	NPAC responds to its M-SET request.
5?	NPAC	u. NPAC generates a M-EVENT-REPORT subscriptionVersionAttributesValueChange to the Current SP SOA and sets the subscription version status to “active”.	SP	Current SP SOA receives the M-EVENT-REPORT from the NPAC and responds by sending a M-EVENT-REPORT Confirmation to the NPAC.

A. TEST IDENTITY

Test Case Number:	**split_5**	**Priority:**	Conditional
Objective:	SOA – Current SP, modify Active Subscription Version using New NPA-NXX involved in a NPA-Split, during permissive dial period - Success		

B. REFERENCES

NANC Change Order Revision Number:	NANC Change Order Rev 40	**Change Order Number(s):**	NANC 193
NANC FRS Version Number:	V1.7	**Relevant Requirement(s):**	RN3-2 and section 3.5
NANC IIS Version Number:	V1.7	**Relevant Flow(s):**	

C. TIME ESTIMATE

Estimated Execution Time:	[35 minutes]	**Estimated Prerequisite Setup Time:**	[30 minutes]	**Estimated NPAC Setup Time:**	[30 minutes]	**Estimated SP Setup Time:**	[30 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	Split_3
Prerequisite NPAC Setup:	1? NPAC has created NPA Split on their local database 2? NPAC has provisioned records for the NPA Split 3? NPA-NXX to be used in the SV Create is open for porting 4? In the midst of Permissive Dial Period 5? One or more LSMS(s) has an association to the NPAC
6? Prerequisite SP Setup:	7? SP has create NPA Split on their SOA and LSMS systems 8? SP has provisioned records for the NPA Split 9? It is during the permissive dial period

10?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1??	SP	Using the SOA, submit a request to the NPAC to modify the LRN for a Subscription Version, using the New NPA-NXX that is involved in a NPA Split in the TN.	SP	Current SP SOA submits an M-ACTION subscriptionVersionModify request to the NPAC SMS lnpSubscriptions object to modify the subscription version. The M-ACTION request will indicate the TN and status, OR the subscription version ID of the subscription version that needs to be modified.
2??	NPAC	NPAC accepts the M-ACTION request from the current SOA and performs data validation checks to verify that the request is valid.	NPAC	NPAC generates a M-SET request to itself and sets the following information on the subscriptionVersionNPAC object: 1? Subscription version status is set to "sending". 2? subscriptionBroadcastTimeStamp to the current date and time. 3? subscriptionModifiedTimeStamp to the current date and time. 4? The LRN field is updated with the new LRN value.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1??	NPAC	NPAC generates M-SET to itself indicating success.	NPAC	NPAC generates M-ACTION Response to the Current SP SOA (using the New NPA-NXX that is involved in the split) indicating the NPAC successfully received the modification request.
2??	NPAC	v. NPAC generates M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange to the current SP SOA (referencing the New NPA-NXX that is involved in the split) and sets the subscription version status to "sending".	SP	Current SP SOA receives the M-EVENT-REPORT from the NPAC, and sends an M-EVENT-REPORT Confirmation to the NPAC.
3??	NPAC	w. NPAC generates a M-EVENT-REPORT AttributeValueChange for the LRN that has been modified.	SP	Current SP SOA receives the M-EVENT-REPORT AttributeValueChange, and sends an M-EVENT-REPORT Confirmation to the NPAC.
4??	NPAC	x. NPAC generates a M-SET to all LSMS for which a serviceproviderObject exists on the NPAC, and are accepting downloads for the New NPA-NXX of the subscription version that is being modified.	SP	All LSMSs that are connected to the NPAC and accepting downloads for the New NPA-NXX involved in the split, send a M-SET response to the NPAC.
5??	NPAC	y. NPAC generates a M-SET itself to update the current subscriptionVersionNPAC object subscriptionVersionStatus to "active".	NPAC	NPAC responds to its M-SET request.
6??	NPAC	z. NPAC generates a M-EVENT-REPORT subscriptionVersionAttributesValueChange to the Current SP SOA and sets the subscription version status to "active".	SP	Current SP SOA receives the M-EVENT-REPORT from the NPAC and responds by sending a M-EVENT-REPORT Confirmation to the NPAC.

Disaster Recovery Test Cases:

A. TEST IDENTITY

Test Case Number:	DR_1	**Priority:**	Mandatory
Objective:	Scheduled NPAC Switchover from Primary to Backup System		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS V1.7	**Relevant Requirement(s):**	RR 2.5
NANC IIS Version Number:	IIS V1.7	**Relevant Flow(s):**	5.3.2, 6.7.2

C. TIME ESTIMATE

Estimated Execution Time:	[1 hour]	**Estimated Prerequisite Setup Time:**	[10 minutes]	**Estimated NPAC Setup Time:**	[10 minutes]	**Estimated SP Setup Time:**	[0 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	Using the contact information, and the procedures in the M&P manual, NPAC personnel will notify all service providers of the expected system outage.
Prerequisite SP Setup:	1? The SPs on each NPAC instance must determine which three SPs will participate in this test. The remaining SP(s) must be informed of the date and time of the NPAC switchover. 2? Prior to the scheduled site switchover, all service providers will perform random queries of their network data and subscription version data to be able to verify that the data currently available on the primary NPAC is also available after the switchover occurs.

3?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	At the appointed time, NPAC personnel will abort any remaining associations at the primary NPAC site and will execute the procedures necessary to make the backup site available.	SP	An Operational Information M-Event report notifying service providers of the scheduled downtime is sent to all local SMSs and local SOAs.
2.	SP	All service providers will be notified of the backup site's availability, and will re-establish their associations.	SP	All service providers are associated with the backup NPAC.
3.	SP	After establishing communications with the backup NPAC, all service providers will perform queries to verify correct data exists on the backup site (Service providers will use the same queries used in the SP prerequisite).	SP	The backup NPAC holds the same data as the primary NPAC.
4.	SP	Once normal operations are re-	SP	Subscription version actions complete successfully.

		established with the backup site, all service providers will execute an SP to SP “Round Robin” scenario.		
5.	NPAC	After the testing scenario is completed, NPAC personnel will abort any remaining associations at the backup site and will execute procedures necessary to restore operation to the primary NPAC site. All associations are aborted, the backup NPAC goes off line, and the primary NPAC comes online.	NPAC	All associations are aborted, the primary NPAC goes off line and the backup NPAC comes online.
6.	SP	All service providers will be notified of the primary site's availability, and will re-establish their associations.	SP	All service providers are associated with the primary NPAC.
7.	SP	After re-establishing normal communications with the primary NPAC site, all service providers will perform queries to verify that all new data created while connected to the backup site is now available at the restored primary site.	SP	The primary NPAC holds the same data as the backup NPAC.

A. TEST IDENTITY

Test Case Number:	DR_2	**Priority:**	Mandatory
Objective:	Unscheduled Outage of the Primary NPAC		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS V1.7	**Relevant Requirement(s):**	RR 2.5
NANC IIS Version Number:	IIS V1.7	**Relevant Flow(s):**	5.3.2

C. TIME ESTIMATE

Estimated Execution Time:	[1 hour]	**Estimated Prerequisite Setup Time:**	[10 minutes]	**Estimated NPAC Setup Time:**	[10 minutes]	**Estimated SP Setup Time:**	[0 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	1? The SPs on each NPAC instance must determine which three SPs will participate in this test. The remaining SP(s) must be informed of the date and time of the NPAC switchover. 2? Prior to the unscheduled site switchover, all service providers will perform random queries of their network data and subscription version data to be able to verify that the data currently available on the primary NPAC is also available after the switchover occurs.

3?

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	At the agreed upon time, NPAC personnel will simulate a facilities outage of the primary NPAC.	SP	All connected service providers will lose their associations.
2.	SP	All service providers will be notified of the backup site's availability, and will re-establish their associations.	SP	All service providers are associated with the backup NPAC.
3.	SP	After establishing communications with the backup NPAC, all service providers will perform queries to verify correct data exists on the backup site (Service providers will use the same queries used in the SP prerequisite).	SP	The backup NPAC holds the same data as the primary NPAC.
4.	SP	Once normal operations are re-established with the backup site, all service providers will create execute test case ND_5 (SOA - Create non-existing NPA/NXX).	SP	Network data creates are successful.

5.	NPAC	After the testing scenario is completed, NPAC personnel will abort any remaining associations at the backup site and will execute procedures necessary to restore operation to the primary NPAC site.	NPAC	All associations are aborted, the backup NPAC goes off line and the primary NPAC comes online.
6.	SP	All service providers will be notified of the primary site's availability, and will re-establish their associations.	SP	All service providers are associated with the primary NPAC.
7.	SP	After re-establishing normal communications with the primary NPAC site, all service providers will perform queries to verify that all new data created while connected to the backup site is now available at the restored primary site.	SP	The primary NPAC holds the same data as the backup NPAC.

A. TEST IDENTITY

Test Case Number:	DR_3	**Priority:**	Mandatory
Objective:	Automatic resynchronization of Local SMS (short LSMS down time)		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS V1.7	**Relevant Requirement(s):**	RR 2.3
NANC IIS Version Number:	IIS V1.7	**Relevant Flow(s):**	5.3.4.1, 6.7.1

C. TIME ESTIMATE

Estimated Execution Time:	[30 minutes]	**Estimated Prerequisite Setup Time:**	[10 minutes]	**Estimated NPAC Setup Time:**	[0 minutes]	**Estimated SP Setup Time:**	[0 minutes]

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	
Prerequisite SP Setup:	Service provider A executes test case CRT_1 (Old SP SOA Initiated Create SV, Single TN, Inter Port). Service provider B executes test case CRT_2 (New SP SOA Concurs Create SV, Single TN, Inter Port).

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	At the agreed upon time, service provider A will bring down its local SMS association with the NPAC.	SP	Local SMS A is brought down successfully.
2.	SP	Service provider B executes test case ACT_1 (New SP SOA Activates a Single TN, Inter Port) using the TN from the SP prerequisite.	SP	The status of the subscription is set to Partially Failed and service provider A is listed in the failed service provider list.
3.	SP	Service provider B executes test case ND_5 (SOA - Create non-existing NPA/NXX).	SP	NPA/NXX create is successful.
4.	SP	Service provider A brings up its Local SMS association with the resynchronization flag on.	SP	Local SMS A sends the M-Action to start the network data download. NPAC responds with the updates. Local SMS A sends the M-Action to start the subscription data download. NPAC responds with the updates. Local SMS A sends the M-Action to set the resynchronization flag off (recovery complete).
5.	NPAC	Service provider A queries its local SMS database to verify it was updated correctly by the NPAC.	NPAC	All network and subscription data is in sync with the NPAC.

Performance Test Cases:

Round Robin Test Case:

A. TEST IDENTITY

Test Case Number:	RRBN_1	**Priority:**	Mandatory
Objective:	Each Service Provider [SP_1, $SP_{2, ...}$ SP_n] Ports a Single TN until the TN is Ported back to the Original Service Provider [SP_1].		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	
NANC FRS Version Number:	FRS v 1.7	**Relevant Requirement(s):**	
NANC IIS Version Number:	IIS v 1.7	**Relevant Flow(s):**	See Test Steps

C. TIME ESTIMATE

Estimated Execution Time: 2 hours	**Estimated Prerequisite Setup Time:**	**Estimated NPAC Setup Time:**	**Estimated SP Setup Time:**

D. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1) NPAC will participate in this test to demonstrate a new load of software. 2) NPAC will participate with each SP as a team.
Prerequisite SP Setup:	1) Participating SP has a valid association with NPAC. 2) The NPA-NXX is valid for porting for the First time.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1	SP1; SP2	First Create Subscription Version where SP1 is Old SOA; SP2 is New SOA. [IIS 6.5.1.1 or 6.5.1.2] Either SP1/SP2 [Old or New SOA] initiates the First Create of a subscription version of a single TN.	NPAC; SP1; SP2	After NPAC receives SP1/SP2's First Create request: • NPAC creates a pending subscription version. • NPAC sends successful action reply to SP1/SP2 • SP1/SP2 confirms NPAC's action reply. • NPAC sends an object Creation notification to SP1 [Old SOA] and then to SP2 [New SOA] containing: • Old SP id, New SP id, New SP due date, New SP creation time stamp, NPAC version id, NPAC version status • SP1 and SP2 confirm NPAC's object Creation notification. • NPAC sends the New NPA-NXX notification to all SOAs and LSMSs. • All SOAs and LSMSs confirm the New NPA-NXX notice. • NPAC sets the Initial Concurrence Window timer. If Initial time expires before Concurrence or Second Create, then NPAC sets the Final Concurrence Window timer.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
2	SP1; SP2	Second Create Subscription Version where SP1 is Old SOA; SP2 is New SOA. [IIS 6.5.1.3 or 6.5.1.4] The other SP [Old or New SOA] concurs by executing the Second Create of the subscription version.	NPAC; SP1; SP2	After NPAC receives SP1/SP2's Second Create request: • [IIS 6.5.1.3 or 6.5.1.4] NPAC sets subscription Modified Time Stamp, subscription Creation Time Stamp, and/or subscriptionOldSP-Authorization Time Stamp. • NPAC sends successful action reply to SP1/SP2 • SP1/SP2 confirms NPAC's action reply. [IIS 6.5.1.3] If SP2 as New SOA sent the Second Create, NPAC sends M-Event Report to Old SOA and then to New SOA • subscriptionNewSP-DueDate • subscriptionNewSP-CreationTimeStamp [IIS 6.5.1.4] If SP1 as Old SOA sent the Second Create, NPAC sends M-Event Report to Old SOA and then to New SOA • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp Both Old SOA and New SOA confirms NPAC's M-Event Report.
• 3	New SOA	[IIS 6.5.1.5] New SOA sends an M-Action request to Activate the pending Subscription Version.	NPAC	NPAC sets the version status to sending, and the subscription Version Activation Time Stamp, and the subscription Modified Time Stamp. NPAC sends an M-Event Report to the Old and New SOA with a subscription version status attribute value change for the status of sending. Old and New SOA confirms the M-Event Report. NPAC sets the subscription version status to sending; and the subscription Broadcast Time Stamp. [The flow now follows the creation of the subscription version on the LSMSs] [IIS 6.5.1.6] NPAC sends an M-Create to each LSMS that is accepting downloads for the subscription version's NPA-NXX. Each LSMS responds to the M-Create. NPAC sends an M-Event Report to the Old and New SOA with a status attribute value change. If the TN was previously ported, NPAC will send an M-Event Report to the Current SOA with the status attribute value change. All SOAs confirm NPAC's M-Event Report.

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Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
4	NPAC	NPAC issues a Full Audit to all LSMSs	LSMS NPAC	LSMSs responds to the Full Audit. NPAC verifies that all data [TN and GTT data] are correct.
5	SP1 SP2	Service Providers verify report by issuing queries to the NPAC for the Active TN	NPAC SP1 SP2	NPAC provides the results to the queries. SP1 and SP2 verify that all data are correct.
6	SP3 SP4	Repeat procedures in Steps above as follows: • 1, 2: Create subscription version • 3: Activate • 4: Audit • 5: SP query Repeat again for remaining Service Providers before Porting to Original Service Provider.		Repeat Steps 1 through 5 above.
7	SP1 SP_n	For this Porting to Original Step, repeat procedures in Steps above as follows: • 1, 2: Create subscription version • Do not repeat 3. See Step 8 for Activation. • 4: Audit • 5: SP query		Repeat Steps 1, 2, 4 and 5.
8	SP1	[IIS 6.5.1.5] For Porting to Original Activation, SP1 as New SOA sends an M-Action request to Activate the pending Subscription Version.	NPAC	NPAC sets the version status to sending, and the subscription Version Activation Time Stamp, and the subscription Modified Time Stamp. NPAC sends an M-Event Report to the Old and New SOA with a subscription version status attribute value change for the status of sending. Old and New SOA confirms the M-Event Report. NPAC sets the subscription version status to sending; and the subscription Broadcast Time Stamp. [The flow now follows the immediate disconnect scenario] [IIS 6.5.4.1] NPAC sets the broadcast time stamp, notifies the service provider SOAs of the status change and proceeds to M-Deletes for the subscription version to the LSMSs.

Appendix D: Actual Results and Comments

TC Id	Pr	Objective	Actual Results	P/F
ND_1	C	SOA - Query your own Service Provider Data - Success		
ND_2	C	LSMS - Query your own Service Provider Data - Success		
ND_3	C	SOA - Modify your own Service Provider Data - Success		
ND_4	C	LSMS - Modify your own Service Provider Data - Success		
ND_5	C	SOA - Create non-existing NPA-NXX - Success		
ND_6	C	LSMS - Create non-existing NPA-NXX - Success		
ND_7	C	SOA - Delete an existing NPA-NXX - Success		
ND_8	C	LSMS - Delete an existing NPA-NXX - Success		
ND_9	C	SOA - Create an LRN that does not already exist - Success		
ND_10	C	LSMS - Create an LRN that does not already exist - Success		
ND_11	C	SOA - Delete an LRN that already exists - Success		
ND_12	C	LSMS - Delete an LRN that already exists - Success		

TC Id	Pr	Objective	Actual Results	P/F
SV_1	M	Old SOA Initiates Subscription Version Create, Single TN, Inter Port, First Use NPA-NXX		
SV_2	M	New SOA Second Create Subscription Version, Single TN, Inter Port		
SV_3	M	New SOA Initiates Subscription Version Create, Single TN, Inter Port, Ported TN, Old SOA does not concur before Final Window expires		
SV_4	M	New SOA Initiates Subscription Version Create, Single TN, Inter Port, Ported TN, Old Service Provider concurs after Initial Window.		
SV_5	M	Old SOA Second Create subscription version, Single TN, Inter Port, Ported TN		
SV_6	M	New SOA Initiates Subscription Version Create, Single TN, Inter Port, PTO, Ported TN, Old SOA concurs before Initial Window.		
SV_7	M	Old SOA Second Create Subscription Version, Single TN, Inter Port, PTO, Ported TN		
SV_8	M	New SOA Initiates Modify Due Date prior to Activation, Single TN, Previous Port Exists		
SV_9	M	Old SOA Initiates Modify Due Date prior to Activation, Single TN, Previous Port Exists		
SV_10	M	Old SOA Initiates Modify Authorization = False, prior to Activation, Single TN, Previous Port Exists		
SV_11	M	New SOA Initiates Conflict Removal, Single TN, Previous Port Exists		
SV_12	M	Old [or New] Service Provider Cancels Pending Subscription Version Before Other Service Provider Concurs, Single TN, Inter Port, Previous Port Exists.		
SV_13	M	Old Service Provider Cancels Pending Subscription Version After New Service Provider Concurs, Single TN, Inter Port, Previous Port Exists		
SV_14	M	New Service Provider Cancels Pending Subscription Version After Old Service Provider Concurs, Single TN, Inter Port, Previous Port Exists		
SV_15	M	New Service Provider Cancels Pending Subscription Version After Old Service Provider Concurs, Single TN, Inter Port, Previous Port Exists, Old Service Provider no Cancel Acknowledgment.		
SV_16	M	Old Service Provider Cancels Pending Subscription Version After New Service Provider Concurs, Single TN, Inter Port, Previous Port Exists, New Service Provider no Cancel Acknowledgment.		

TC Id	Pr	Objective	Actual Results	P/F
SV_17	M	DELETE THIS TEST: Duplicate [New Service Provider Cancel Single TN Before Old Service Provider Concurs, Inter Port, Previous Port Exists]	DELETED TEST CASE	
SV_18	M	New SP SOA Activates a Single TN, Inter Port, Success		
SV_19	M	New/Current SP SOA Activates a Single TN, Intra Port, Success		
SV_20	M	New SP SOA Activates a Single TN, Port-To-Original, Success		
SV_21	M	New SP SOA Activates a Single TN, Port-To-Original, Partial Failure and NPAC resend		
SV_22	M	New SP SOA Activates a Single TN, Inter Port, Partial Failure and NPAC resend		
SV_23	M	Current SP SOA Immediate Disconnect of a Single TN, Active SV, Success		
SV_24	M	Current SP SOA Deferred Disconnect of a Single TN, Active SV, Success		
SV_25	M	Current SP SOA Deferred Disconnect of a Single TN, Active SV, Partial Failure and NPAC resend		
SV_26	Conditional	New SOA Initiates Create SV, Range of TNs, Inter Port, Success		
SV_27	Conditional	New SOA Initiates Modify Pending SV, Range of TNs, Inter Port, Success		
SV_28	Conditional	New SP SOA Activates a Range of TNs, Inter Port, Success		
SV_29	Conditional	Current SP SOA Immediate Disconnect of a Range of TNs, Active SVs, Success		
SV_30	Conditional	SP SOA SV Query		
SV_31	Conditional	SP LSMS SV Query		

TC Id	Pr	Objective	Actual Results	P/F
AUD_1	C	SOA Initiates Full Audit (all data attributes), Single TN, No Discrepancies		
AUD_2	M	NPAC Initiates Full Audit (all data attributes), Single TN, No Discrepancies		
AUD_3	C	SOA Initiates Full Audit (all data attributes), Range TN, No Discrepancies		
AUD_4	C	SOA Initiates Partial Audit (some data attributes), Range TN, With Discrepancies		
AUD_5	C	SOA Initiates Partial Audit (some data attributes), Single TN, With Discrepancies		
AUD_6	M	NPAC Initiates Partial Audit (some data attributes), Single TN, With Discrepancies		
AUD_7	M	NPAC Initiates Partial Audit (some data attributes), Range TN, With Discrepancies		

split_1	C	SOA - Acting as the Old SP, Create Subscription Version using Old NPA-NXX involved in a NPA-Split, during permissive dial period		
split_2	C	SOA - Acting as Old SP, Create Subscription Version using New NPA-NXX involved in a NPA-Split, during permissive dial period		
split_3	C	SOA - Acting as Old SP, Activate Subscription Version using Old NPA-NXX involved in a NPA-Split, during permissive dial period		
split_4	C	SOA - Current SP, modify Active Subscription Version using Old NPA-NXX involved in a NPA-Split, during permissive dial period		
split_5	C	SOA - Current SP, modify Active Subscription Version using New NPA-NXX involved in a NPA-Split, during permissive dial period - Success		

DR_1	M	Scheduled NPAC Switchover from Primary to Backup System		
DR_2	M	Unscheduled Outage of the Primary NPAC		
DR_3	M	Automatic resynchronization of Local SMS (short LSMS down time)		

[**Insert Matrix for Performance Test Cases when final]**

TC Id	Pr	Objective	Actual Results	P/F
RRBN_1	M	Each Service Provider [SP1, SP2, ... SPn] Ports a Single TN until the TN is Ported back to the Original Service Provider [SP1].		