

## Preliminary Turn Up Test Case List for R3.3

Following is a brief representation of the test scenarios required to test the R3.3 features during the Turn Up Test phase of Service Provider testing.

During actual test plan development these test scenarios will be compared against the existing regression turn up test cases to determine:

- o existing test cases that need to be updated to reflect current NPAC features and functionality
- o which, if any, test cases can be updated and reused to autonomously test new features and functionality of the R3.3 release

Test Case Objective	Requirements	SOA	LSMS
<b>NANC 375</b> Prevent New Service Provider from Removing Conflict Status with Certain Cause Code Values			
NANC 375-1 SOA – New Service Provider personnel attempt to remove a subscription version from conflict status whose cause code is currently set to 50 or 51 – error	Req 1, Req 3	X	
NANC 375-2 SOA – Old Service Provider personnel remove a subscription version from conflict status whose cause code is currently set to 50 or 51 – Success	Req 2	X	
NANC 375-3 SOA – New Service Provider personnel attempt to remove a subscription version from conflict status whose cause code is currently set to something other than 50 or 51 prior to the conflict resolution restriction window – Error	Req 2 *might be existing TC for this.	X	
NANC 201-35 modify to say remove from conflict when cc does not equal 50 or 51 8.1.2.6.3 specify cc does not equal 50 or 51 201-25, 201-35 specify cc does not equal 50 or 51 2.31 specify whether the cc does or does not equal 50 or 51 and update content consistently.			
<b>NANC 351</b> – Recovery Enhancements – SWIM Recovery			
NANC 351-1 LSMS – Service Provider personnel submit a resynchronization request for network data, number pool block data, subscription data, service provider data and notifications with SWIM indicator – Success	RR6-43, RR6-58, <del>RR6-65</del> , Req 0.5, Req 1 And (NANC 352 Req 1, Req2, Req3, Req 5, Req7, Req 8*, <del>Req-9</del> )		X
NANC 351-2 SOA – Service Provider personnel submit a resynchronization request for network data, service provider data, and notifications with the SWIM indicator – Success (conditional)	Req RR6-43, Req 0.5, Req 1, <del>Req 2</del> And (NANC 352 Req 1, Req 2, Req3, Req 5, Req 6, Req 8*, <del>Req-9</del> )	X	
NANC 351-3 LSMS – Service Provider personnel submit a resynchronization request for network data, number pool block data, subscription data and notifications with SWIM indicator that exceed the SWIM maximum recoverable data- Success	Req 5		X

Test Case Objective	Requirements	SOA	LSMS
<u>Perform regular recovery to recover data in excess of the SWIM Maximum tunable for part of the data.</u>			
NANC 351-42 SOA – Service Provider personnel submit a resynchronization request for network data, and notification data with SWIM indicator that exceeds the SWIM maximum recoverable data – Success for part of the data <u>Perform regular recovery to recover data in excess of the SWIM Maximum tunable.</u>	Req 5	X	
Regression test cases for ILL 79 and section 8 test cases from release 3.0 should be reviewed and updated based on this CO. Should be happy path and sad path test cases that exist that can be updated to reflect these test scenarios.			
<b>NANC 368</b> Out-Bound Flow Control No Turn Up Test Cases are required for these features. This functionality will be tested during ITP.			
<b>NANC 388</b> Un-do a "Cancel-Pending" SV			
NANC 388-1 SOA – Using their SOA system, Service Provider Personnel send an "un-do" cancel request to the NPAC SMS for a subscription version in a cancel-pending status for which they are either the New SP or Old SP that cancelled the SV – Success	Req 1, Req 2, Req 5, Req 8	X	
NANC 388-2 SOA – Using their SOA system, Service Provider personnel attempt to send an "un-do" cancel request to the NPAC SMS for a subscription version (currently in cancel-pending state) for which they are neither the Old SP or New SP party to the port – Error	Req 24	X	
<u>NANC 388-3 SOA – Using their SOA system, Service Provider personnel attempt to send an "un-do" cancel request to the NPAC SMS for a subscription version (currently in cancel-pending state) for which they are either the Old or New SP party to the port, but they did not issue a cancel request for the SV – Error</u>	Req 7	X	
<u>NANC 388-4 SOA – Using their SOA system, Service Provider personnel attempt to send an "un-do" cancel request to the NPAC SMS for a subscription version (currently in a pending state) for which they are either the Old or New SP party to the port – Error</u>	Req 3	X	
<u>NANC 388-5 SOA – Using their SOA system, Service Provider personnel attempt to send an "un-do" cancel request to the NPAC SMS for a range of subscription versions (all but one of the SVs in the range exist in cancel-pending state) for which they are either the Old or New SP party to the port – Error</u>	Req 3	X	
<b>NANC 347/350</b> CMIP Interface Enhancements – Abort Behavior This functionality will be tested during ITP, not during TU.			

Test Case Objective	Requirements	SOA	LSMS
<b>NANC 348</b> BDD for Notifications			
NANC 348-1 SOA - NPAC Personnel create a Bulk Data Download file for SOA notification data specifying a service provider ID and time range. Verification steps are performed to ensure the BDD file was processed successfully by the service provider system. – Success	Req <del>1</del> RR3-220, Req 2, Req3, Req 4, Req 5, Req 6, Req 7, Req 8, Req 9)	X	
NANC 348-2 LSMS - NPAC Personnel create a Bulk Data Download file for LSMS notification data specifying a service provider ID and time range. Verification steps are performed to ensure the BDD file was processed successfully by the service provider system. – Success	Req <del>1</del> RR3-220, Req 2, Req3, Req 4, Req 5, Req 6, Req 7, Req 8, Req 9)		X
These test cases will be marked as optional just as other BDD test cases are currently categorized.			
<b>NANC 393</b> NPAC Performance Requirements No Turn Up test for this functionality.			
<b>NANC 321</b> Regional NPAC NPA Edit of Service Provider Network Data – NPA-NXX Data			
NANC 321-1 SOA –Service Provider personnel attempt to create an NPA-NXX for an invalid NPA in a region – error	Req 1, Req 4	X	
NANC 321-2 SOA – Service Provider personnel attempt to create 859-nxx that is associated with LATA ID 922, in a region <i>other than</i> Midwest – Error	Req 11	X	
NANC 321-3 SOA – Service Provider personnel attempt to create 859-nxx that is associated with LATA ID 922 in Midwest region – Success	Req 8, Req 11	X	
NANC 321-4 SOA – Service Provider personnel attempt to create 859-nxx that is associated with a LATA ID <i>other than</i> 922 in the SouthEast region – Success	Req 11	X	
NANC 321-5 SOA – Service Provider personnel attempt to create 859-nxx that is associated with a LATA ID <i>other than</i> 922 in a region <i>other than</i> the SouthEast – Error	Req 8, Req 11	X	
<b>NANC 227/254</b> Exclusion of Service Provider from an SV’s Failed SP List NANC 300			
(Group) NANC 227-1 LSMS – NPAC SMS broadcasts a resend Intra-SP or Inter-SP subscription version activate request to a region <del>of LSMS</del> whereby some SPs on the failed SP-List are excluded from the resend, some are included in the resend (and should be successful) and the current Service Provider receives a status update for the subscription version including an updated failed SP-List – Success	NANC 228/254 Req 1		X
(Group) NANC 227-2 LSMS – NPAC SMS broadcasts a resend number pool block activate request to a region <del>of LSMSs</del> whereby some SPs on the failed SP-List are excluded from the resend, some are included in the resend (and should be successful) and the current Block	NANC 300 Req 1		X

Test Case Objective	Requirements	SOA	LSMS
Holder Service Provider receives a status update for the number pool block including an updated Failed SP-List. – Success			
<p>NANC 227-3 LSMS – Service Provider personnel submit a resynchronization request for subscription data for which they were previously “excluded” from a re-send broadcast. – Success.</p> <p>In the prerequisites there will need to be a pf/failed SV where this SP is on the failed SP list; NPAC Personnel take steps to exclude the SP under test from the failed SP list for the SV and then <del>resend</del> <u>resend the</u> SV request and NPB request.</p>	NANC 227 <del>Req 1,</del> Req 3		X
<p>NANC 227-4 LSMS – Service Provider personnel for either an EDR or non-EDR LSMS submit a resynchronization request for number pool block data for which they were previously excluded from a re-send broadcast – Success.</p> <p>In the prerequisites there will need to be a pf/failed NPB where this SP is on the failed SP list; <del>NPAC</del>; <u>NPAC</u> Personnel take steps to exclude the SP under test from the failed SP list for the NPB and then <del>resend</del> <u>resend the</u> NPB request.</p>	NANC 300 <del>Req 1,</del> Req 3		X
<b>NANC 385</b> Timer Calculation – Maintenance Window Time Behavior			
<p>(Group) NANC 385-1 SOA – NPAC Personnel use the <i>Timer-Update-Tool</i> to update timer expiration by 10 minutes, SP systems under test handle the impacted timers for their adjusted expiration time – Success</p> <p>Prerequisites should include activities that create short and long initial and final concurrence timers, and short and long initial and final cancellation concurrence timers that were already expected to expire on the same day as test after the maintenance window enactment in this test case.</p>	Req 1 and Req 2	X	
<b>NANC 299</b> NPAC Monitoring of SOA and LSMS Associations via Heartbeat This functionality should be covered in ITP (App2App)			
<b>ILL 130</b> Application Level Errors			
<p>Add a description of this new functionality in the front matter of the R3.3 TU TP and indicate that the SPs production environment should be replicated during Turn Up Test.</p> <p>Specific to this change order, if a SP supports this new error code package, they should receive and process the conversion file prior to starting test and then the regression test suite should be verified appropriately based on this newly supported functionality.</p> <p>Will identify an error test case to verify that the error code is sent when the Service Provider supports this feature. Service Providers that support this feature may further elect to execute additional error test cases.</p>			
<b>NANC 394</b> Consistent Behavior of Five-Day Waiting Period Between NPA-NXX-X Creation and			

Test Case Objective	Requirements	SOA	LSMS
Number Pool Block Activation, and Subscription Version Creation and its Activation			
NANC 394-1 SOA/LSMS – NPAC personnel create an NPA-NXX-X, <del>specifying an NPA-NXX for which there has been a first port notification issued less than the NPA-NXX-X Holder Effective Date Window,</del> indicating an Effective Date that is equal to or greater than the <del>current date plus the value of the NPA-NXX-X Holder Effective Date Window Tunable parameter minus the number of days since the first port notification was issued</del> <u>NPA-NXX Live TimeStamp</u> – Success	NANC 394 <del>New-1</del> <u>Req 4</u>	X	X
NANC 394-2 SOA/LSMS – NPAC Personnel modify the NPA-NXX-X Effective Date to a date greater than the <del>current date and the value of the NPA-NXX-X Holder Effective Date Window Tunable parameter,</del> minus the number of days since the first port notification was <del>issued</del> <u>NPA-NXX Live TimeStamp</u> – Success	NANC 394 <del>New-2</del> <u>Req 5</u>	X	X
NANC 394-3 SOA – Service Provider personnel create Inter-SP subscription version specifying <del>an NPA-NXX for which there are not any subscription versions associated with it (and the First Port Notification has not been sent in coordination with this NPA-NXX) and a due date equal to or greater than the NPA-NXX-X Holder Effective Date Window Tunable parameter</del> <u>Live TimeStamp</u> – Success	NANC 394 Req <del>61</del>	X	
NANC 394-4 SOA – Service Provider personnel create Intra-SP subscription version specifying <del>an NPA-NXX for which there are not any subscription versions associated with it (and the First Port Notification has not been sent in coordination with this NPA-NXX) and a due date equal to or greater than the NPA-NXX-X Holder Effective Date Window Tunable parameter</del> <u>Live TimeStamp</u> – Success	NANC 394 Req <del>62</del>	X	
NANC 394-5 SOA – Service Provider personnel create Inter-SP subscription version specifying <del>an NPA-NXX for which there are not any subscription versions associated with it (and the First Port Notification has not been sent in coordination with this NPA-NXX) and a due date less than the NPA-NXX-X Holder Effective Date Window Tunable parameter</del> <u>Live TimeStamp</u> – Error	NANC 394 Req <del>61</del>	X	
NANC 394-6 SOA – Service Provider personnel create Intra-SP subscription version specifying <del>an NPA-NXX for which there are not any subscription versions associated with it (and the First Port Notification has not been sent in coordination with this NPA-NXX) and a due date less than the NPA-NXX Live TimeStamp-X Holder Effective Date Window Tunable parameter</del> – Error	NANC 394 Req <del>62</del>	X	
NANC 394-7 SOA – <del>Service Provider personnel create Inter-SP subscription version specifying an NPA-NXX for which there is at least one pending-like subscription version associated with it (the First Port Notification has been sent out a previous number of days less than the NPA-NXX-X Holder Effective Date Window Tunable parameter) and a due date that is equal to or greater</del>	<del>NANC 394 Req-4</del> <u>DELETED</u>	X	

Test Case Objective	Requirements	SOA	LSMS
<del>than the current date plus the NPA-NXX-X Holder Effective Date Window Tunable minus the number of days since the First Port Notification was issued — Success</del> <del>DELETED</del>			
NANC 394-8 SOA — Service Provider personnel create Intra-SP subscription version specifying an NPA-NXX for which there is at least one pending-like subscription version associated with it (the First Port Notification has been sent out a previous number of days less than the NPA-NXX-X Holder Effective Date Window Tunable parameter) and a due date that is equal to or greater than the current date plus the NPA-NXX-X Holder Effective Date Window Tunable minus the number of days since the First Port Notification was issued — Success <del>DELETED</del>	NANC 394 Req-5 <del>DELETED</del>	X	
NANC 394-9 SOA - Service Provider personnel create Inter-SP subscription version specifying an NPA-NXX for which there is at least one pending-like subscription version associated with it (the First Port Notification has been sent out a previous number of days less than the NPA-NXX-X Holder Effective Date Window Tunable parameter) and a due date that is less than the current date plus the NPA-NXX-X Holder Effective Date Window Tunable minus the number of days since the First Port Notification was issued — Error <del>DELETED</del>	NANC 394 Req-4 <del>DELETED</del>	X	
NANC 394-10 SOA - Service Provider personnel create Intra-SP subscription version specifying an NPA-NXX for which there is at least one pending-like subscription version associated with it (the First Port Notification has been sent out a previous number of days less than the NPA-NXX-X Holder Effective Date Window Tunable parameter) and a due date that is less than the current date plus the NPA-NXX-X Holder Effective Date Window Tunable minus the number of days since the First Port Notification was issued — Error <del>DELETED</del>	NANC 394 Req-5 <del>DELETED</del>	X	
NANC 394-11 SOA - Service Provider personnel modify a pending subscription version where the first port notification has previously been issued less than the number of days corresponding to the NPA-NXX-X Holder Effective Date Window tunable parameter indicating a new due date that is less than the current date plus the value of the NPA-NXX-X Holder Effective Date Window Tunable parameter, minus the number of days since the first port notification was issued - Error	NANC 394 Req 3	X	
NANC 394-12 SOA — Service Provider personnel modify a pending subscription version where the first port notification has previously been issued less than the number of days corresponding to the NPA-NXX-X Holder Effective Date Window tunable parameter indicating a new due date that is greater than or equal to the current date plus the value of the NPA-NXX-X Holder Effective Date Window Tunable parameter, minus the	NANC 394 Req-3 <del>DELETED</del>	X	

Test Case Objective	Requirements	SOA	LSMS
<del>number of days since the first port notification was issued – ErrorDELETED</del>			
<p>Update regression test cases for <u>SV create/modify and NPA-NXX-X to reflect NANC 394 functionality. (including R5-18.3, RR5-6.3, RR5-29.2, RR5-54)</u></p> <p>Update existing SV create TCs <del>for First port notification</del> – to limit the due date by the <u>NPA-NXX Live TimeStamp-X Holder Effective Date window tunable parameter</u>.</p> <p>In other SV create TCs in prerequisites add that the <del>first port notification was sent (probably already there) and the NPA-NXX-X Holder Effective Date Window tunable parameter has already passed/expired</del><u>NPA-NXX Live TimeStamp is in the past</u>.</p> <p>May be able to find some regression test cases that can be updated to cover these test scenarios.</p> <p>Update existing TCs where NPB is created in necessary observance of NPA-NXX-X Holder Effective Date Window tunable parameter to reflect that this is because the <del>first port notification has not previously been sent</del><u>effective date is greater than or equal to the NPA-NXX Live TimeStamp</u>:</p> <ul style="list-style-type: none"> <li>○ SP create NPB, specifying an NPA-NXX for which there are not any SVs associated with (pending-like or active-like &amp; the First Port Notification has not been sent in coordination with this NPA-NXX) and a due date equal to or greater than the NPA-NXX-X Holder Effective Date Window Tunable parameter – success</li> <li>○ SP create NPB, specifying an NPA-NXX for which there are not any SVs associated with (pending-like or active-like and the First Port Notification has not been sent in coordination with this NPA-NXX) and a due date less than the NPA-NXX-X Holder Effective Date Window Tunable parameter – error</li> <li>○ SP create NPB, specifying an NPA-NXX for which there is at least one pending-like SV associated with (the First Port Notification was sent out some number of days less than the NPA-NXX-X Holder Effective Date Window Tunable parameter) and a due date that is equal to or greater than the current date plus the NPA-NXX-X Holder Effective Date Window Tunable minus the number of days since the First Port Notification was issued – success</li> <li>○ SP create NPB, specifying an NPA-NXX for which there is at least one pending-like SV associated with it (the First Port Notification has been sent some number of days less than the NPA-NXX-X Holder Effective Date Window Tunable parameter) and a due date that is less than the current date plus the NPA-NXX-X Holder Effective Date Window Tunable minus the number of days since the First Port Notification was issued – error</li> </ul>			
<p><b>NANC 300</b> Resend Exclusion for Number Pooling These requirements are tested in the NANC 227 series test cases above.</p>			
<p><b>NANC 352</b> Recovery Enhancements – Recovery of SPID</p>			
<p>NANC 352-1 LSMS – Service Provider personnel send a resynchronization request to NPAC for service provider data specifying <u>one or all service providers and</u> a time range less than the maximum download duration tunable, <del>either one or all service providers and service provider data</del>. – Success</p>	<p>Req 1, 2, 3, 4, 5, 7, 8, <del>9, 11</del></p>		<p>X</p>
<p>NANC 352-2 SOA – Service Provider personnel send a resynchronization request for service provider data</p>	<p>Req 1, 2, 3, 4, 5, 6, 8, <del>10, 9</del></p>	<p>X</p>	

Test Case Objective	Requirements	SOA	LSMS
specifying <u>one or all service providers and</u> a time range less than the maximum download duration tunable, <del>either one or all service providers and service provider data</del> – Success			
Service provider data recovery using SWIM is covered in NANC 351 test cases			
Should be able to update existing SOA and LSMS recovery test cases to include SPID recovery (these test scenarios) for SPs that support SPID recovery to SOA and/or LSMS.			
<b>NANC 383</b> Separate SOA Channel for Notifications			
NANC 383-1 SOA – Service Provider personnel send a resynchronization request for notification information over a <u>separate SOA channel that does not support SOA for Nnotifications</u> – <del>Error</del> Success	Req 8	X	
Add a description of this new functionality in the “front matter” of the R3.3 TU TP and indicate that the SPs production environment should be replicated during Turn Up Test.			
Specific to this change order, if a SP is going to use a separate SOA channel for notifications, they should use this configuration during regression and new release testing. The majority of this functionality will then be verified by default when running through the test plan. Specifically the notification priority regression test cases can verify this functionality.			
Update 6.2 and 6.3 from R3.1 test cases and mark them for regression to test this functionality.			
<b>NANC 151</b> TN and Number Pool Block Addition to Notification			
No new TU TCs. <ul style="list-style-type: none"> <li>• Look up all regression test cases that indicate the affected notifications (bulleted below) and add the TN/NPA-NXX-X when the SP supports these attributes:               <ul style="list-style-type: none"> <li>○ subscriptionVersionStatusAttributeValueChange</li> <li>○ subscriptionVersionAttributeValueChange</li> <li>○ numberPoolBlockStatusAttributeValueChange</li> <li>○ numberPoolBlockAttributeValueChange</li> </ul> </li> </ul>			
<b>NANC 138</b> – Definition of Cause Code			
NANC 138-1 SOA – NPAC SMS automatically sets a cancel-pending SV for which the New Service Provider has not concurred to the cancel request to conflict and issues a notification indicating a cause code value of 2; NPAC SMS Automatic Conflict from Cancellation – Success	Req 1, RR5-36.2	X	
Update existing TC for RR5-36 and RR5-36.2			
There may be an existing TC where the NPAC sets a cancel-pending SV to conflict automatically. If so, update this test case appropriately. Otherwise, create one for this scenario (defined in the CO - req 1)			
<b>NANC 386</b> Single Association for SOA/LSMS			
Add a description of this new functionality in the <i>front matter</i> of the R3.3 TU TP and indicate that the SPs production environment should be replicated during Turn Up Test.			
The ability to make an NPAC connection by only a single unique bitmask will be validated during ITP.			



Test Case Objective	Requirements	SOA	LSMS
<b>NANC 357</b> Unique Identifiers for wireline versus wireless carriers (long term solution) Types have been reduced to Wireline, Wireless, and Non-Carrier			
From existing service provider test cases (query, create) – add SP Type to expected results.			
<b>NANC 358</b> change SPID Definition			
No TU TCs			
<b>NANC 346</b> GDMO Change to Number Pool Block Data Managed Object Class (Section 29.0) and Documentation Change to Subscription Version Managed Object Class (Section 20.0)			
No TU TCs. This should be tested in ITP.			
<b>NANC 392</b> Removal of Cloned Copies of SVs and NPBs			
No TU TCs			
<b>NANC 285</b> SOA/LSMS Requested Subscription Version Query Max Size			
NANC 285-1 SOA – Service Provider personnel using their SOA submit a subscription version query request to the NPAC SMS specifying criteria that matches a number of subscription versions greater than the maximum subscription version query tunable – Success	Req 1, Req 3	X	
NANC 285-2 LSMS – Service Provider personnel using their LSMS submit a subscription version query request to the NPAC SMS specifying criteria that matches a number of subscription versions greater than the maximum subscription version query tunable – Success	Req 2, Req 3		X
Both TCs will be written to cover SPs that do and SPs that do not support enhanced SV query capabilities.			
Regression test cases should be reviewed. There may be an error TC that can be modified to cover both SP tunable settings and positively test the functionality in one TC.			
Total		3027	11