

Release 3.1 Turn Up Testing

Daily Status Report: 1/24/02

Turn Up Testing Status

1. The test bed was available 100% of the time
2. Release 3.1.0.2 was installed January 2, 2002 at 10:15 PM CST. The defect fixed is listed in the issues section of this report.
3. Please see table below for test completion and issue summarization.

Testing Completion

Notes:

- We are still waiting for some of the SPs to provide the total number of test cases they plan to execute. Once we have that information we will add it in the “**Total Test Cases**” column.
- “**Total Test Case**” numbers will vary from below by SP, depending on # of additional test cases executed, # of Optional test cases executed, # of Conditional, etc.
- The “**% Complete**” column below is based on the total test cases **Passed** vs. the total number of test cases to be tested by SP represented below in the “Total Test Cases” column.

Company	SOA/ LSMS	EDR vs NON- EDR	Test Cases Conducted	Pass/Fail /Not Supported	Total Test Cases	% Complete	Issues
NE REGION TESTING							
SP1	Both	EDR	122	P = 122 F = 0 NS = 3	123	99%	No issues to report. 3.1.0.2 regression testing complete
SP2	Both	EDR (No Dash X SOA/ LSM S)	122	P = 122 F = 0 NS = 24	122	100%	Testing complete for Turn Up. 3.1.0.2 regression testing complete SP received 3.1 certification
SP3	Both	Non- EDR	153	P = 133 F = 2 NS = 18	153	100%	3.1.0.2 regression testing complete Vendor must provide fix to correct failed test case ASAP. SP receives 3.1 certification

SP4	LSMS	EDR	67	P = 67 F = 0 NS = 12	67	100%	Testing complete for Turn Up. 3.1.0.2 regression testing complete SP received 3.1 certification
SP5	2 SOA 2 LSMS	Both	139	P = 139 F = 0 NS = 8	139	100%	Testing complete for Turn Up. 3.1.0.2 regression testing complete SP received 3.1 certification
SP6	LSMS	EDR	84	P = 84 F = 0 NS = 9	84	100%	Testing complete for Turn-Up. 3.1.0.2 regression testing complete SP received 3.1 certification
SP7	Both	EDR	120	P = 117 F = 3 NS = 17	121	97%	Re-test failed test cases. 3.1.0.2 regression testing complete
SP8	1 SOA 2 LSMS	EDR	211	P = 222 F = 0 NS = 14	229	100%	Audit test case failure determined to be NPAC defect. SP received 3.1 certification
SP9	LSMS only	Non-EDR	60	P = 60	60	100%	Testing complete for Turn Up. 3.1.0.2 regression testing complete SP received 3.1 certification
SP10	LSMS only	Non-EDR	57	P = 55 F = 2	58	100%	Vendor must provide fix to correct failed test cases ASAP. 3.1.0.2 regression testing complete. SP receives Conditional 3.1 certification
SP11	Both	EDR	166	P = 166 F = 0 NS = 30	166	100%	3.1.0.2 regression testing complete SP received 3.1 certification
SP12	SOA only		205	P=204 F = 1	223	91%	SP will support 3.1 functionality.
SP13	SOA only		93	P=93	100	93%	SP will continue with LTI as SOA.
SP14	SOA only	Non-EDR	121	P = 121 F = 0	156	78%	Testing to resume after Performance and Volume Testing.
SP15	SOA only		76	P = 76	127	60%	Testing to resume after Performance and Volume Testing..
SP16	SOA only		66	P = 66	135	49%	Testing to resume after Performance and Volume Testing.
SP 17 (testing for 11 SPs)	LSMS only	Both	57	P = 57 NS = 18	57	100%	3.1.0.2 regression testing complete SP received 3.1 certification
SP18	LSMS only	Non-EDR	50	P = 50	50	100%	SP received 3.1 certification
Group Testing (Northeast)	11 SOA 9 EDR LSMS 4 Non-EDR LSMS			P = 29	29	100%	Group Testing Complete.

SUPER REGION TESTING

SP1	SOA only			P = 37	124	30%	Continued testing rescheduled for 2/11.
SP2							
SP3							
SP4							
SP5							
SP6							
SP7							
SP8							
SP9							
SP10							
SP11							
SP12							
SP13							
SP14							
SP15							
SP16							
SP17							

Issues/Risks:

Below is a list of all defects recorded for Rel 3.1 NE Region TUT. This list will be published daily on this report as well as posted to the NPAC Secure web site.

Incident	Date Opened	Summary	Severity	Planned Release	Status	Description	Root Cause/Resolution	Date Closed
91681	07/11/01	Performance Testing – Delays in old SP Create requests.	3	3.1	Open	3.0.7.0 Performance Testing – During retesting of 88128, processing slowed down and to SPs reported communication time-outs due to NPAC not responding to create requests submitted from the old SP.	This performance issue, discovered during 3.0.7.0 testing, has been resolved with the current 3.1 release now in Turn Up Testing. Once performance and volume testing by the Industry is completed on 3.1, we will close this incident.	
98542	11/26/01	NPAC router memory leak	3		Open	A ticket was opened with ESI on this incident. During NeuStar’s acceptance testing for 3.1.0, a performance issue was discovered. In the code for the NPAC router there is a memory leak that causes the size of the NPAC router to grow. The router will run out of memory and needs to be rebooted to correct the problem. Any SPs on that router need to re-associated.	A ticket has been opened at DSET. DSET is working on identifying a fix. Once the fix is identified, a patch release will be issued. Severity reduced as risk re-evaluated. Leak is present in 3.0 production.	
99355	12/06/01	Mass Update causes association to abort	2		Open	Inclusion of SPID in mass update filter causes the SP software to abort association.	Vendor software cannot handle SPID in the mass update filter. It is a vendor issue.	
100306	12/26/01	Too many notifications on deferred disconnect	3	TBD	Pending	One SP reports problem, other SPs pass the test case.	Determined to be a defect. The fix will be in a release to be determined(TBD).	
100839	1/08/02	NANC 179 2.33 Port to original - break in SVID, receive list of 20,	2	3.1.0.3	Pending		Determined to be a defect. It will be fixed in 3.1.0.3.	

expect range of 10.

100898	1/08/02	Remove LNP_TYPE from the filter on mass updated downloads	3	3.1.0.3 Pending	LNP_TYPE attribute causing problems in Mass Update test cases.	Feature change coded and tested in 3.1.0.3. Operational M&P: can be sent without LNP_TYPE attribute.
101047	1/11/02	Audit test case completes with errors.	3	Open	NPAC attempts to modify numberPoolBlockActivationTimeStam p. Violates gdmo.	Fix to be determined, request that attribute be modifiable.
101740	1/23/02	RE-1 RSMS ERROR during concurrence of 2000 pending ports.	3	Open	NPAC processing error during concurrence of 2000 pending ports.	Neustar Application Support investigating.
101801	1/23/02	Aborts during NPA-NXX creates, slow notification to LSMS.	3	Open	NPAC processing problem during NPA-NXX create.	Neustar Application Support believes related to 101740.

CLOSED TROUBLE TICKETS

98968	11/30/01	Test bed crashed	1	Closed	3.1 Test Bed was unavailable from 4:44 pm Eastern to 6:00pm Eastern	The use of an application tool to assist a service provider drop a key list resulted in a database crash. The key list contained keys referenced by a process in the database. The tool has been corrected.	11/30/01
98906	11/29/01	TN stuck in progress	2	Closed	TN was stuck in progress leaving system waiting for response. Bouncing the router resolved this.	The TN was stuck in progress on the SPs side because the SP and NPAC had lost	12/06/01

99458	12/07/01	Test bed down	1	Closed	Test bed was unavailable from 4:26pm to 4:46pm and 5:34pm to 5:57pm Eastern.	communication. Bouncing the router and re-establishing association created a new communication channel and the TNs advanced to the state they were supposed to be in. The use of an ad hoc tool to assist a SP in dropping and recreating key list resulted in a database crash.	12/07/01
98905	11/29/01	Double association	2	Closed	NPAC seeing two associations from one SP. Aborting associations did not permanently fix the issue.	NPAC has no requirements to prevent this from happening. Recommend closing this issue.	12/13/01
99352	12/06/01	GUI Error	2	Closed		The WebGUI screen by design shows a "worst case" number as calculating the actual number would cause delay. Recommend closing this issue.	12/13/01
100080	12/14/01	Test bed was unavailable	2	Closed	3.1 Test bed outage	PLog table had processes that remained connected. DB had to be restarted and data integrity checked before becoming available again.	
99349	12/06/01	Mass Update not successful	2	Closed	Mass Update not successful during execution of test case NANC 68-3	Issues with SP database. Test case passed 12/28/01	12/31/01
100641	1/03/02	SOA Notification after Audit causes abort	2	3.1.0.2 Closed	Range Notification has null values causing association to abort.	ESI ticket 8788. missed as NPAC ticket until 1/03. Fixed in Release 3.1.0.2	01/03/02
100695	1/04/02	Activate TNs, drop association, reassociate - core dump.	2	Closed		Test case 2.37 passed.	1/07/02

100839	1/07/02	Test bed unavailable.	2		Closed	3.1 Test Bed unavailable, some shared libraries incorrectly installed	3.1.0.2 shared libraries installed correctly.	1/07/02
99265	12/05/01	Associated SPID not receiving notifications	2		Closed	During test case NANC 48-5, the associated SPID did not receive notifications.	NPAC SD has looked at this issue and has found logs of notifications sent to the SPID. NeuStar will work with SP to resun the test case and trace what is happening. Problem on SP end.	1/14/02
100305	12/26/01	Block activation causes association to abort	2	3.1.0.2	Closed		Test case rerun with SP to verify fixed by 3.1.0.2.	1/14/02
100405	12/27/01	Association aborts on range notification	2	3.1.0.2	Closed		Test reran verified is fixed by 3.1.0.2.	1/14/02
100406	12/27/01	Association aborts on SOA range notification = TRUE not on FALSE	2	3.1.0.2	Closed		Test reran verified is fixed by 3.1.0.2.	1/14/02
101214	1/15/02	EDR SP received 1000 SV disconnect notifications when 1 Block disconnect notification was expected	2		Closed	EDR SP did not submit block resync request on initial recovery; attempted to recover block information but specified not correct time; resync request supplied 1000 SV notifications instead of Block notification.	Test case passed.	1/16/02
100696	1/04/02	Old SP Create timers not running properly	3		Closed		Awaiting response from SP on test bed specific timer operation.	1/16/02
100697	1/04/02	NPAC processing failure on create range of SVs	3		Closed		NeuStar log files lost. Cannot reproduce the failure.	1/16/02
101139	1/14/02	NPAC routers restarted in test bed in AM.	3		Closed	Router restarted in testbed in AM. RCA requested.	3.1 test bed simulates a black hole. Non-production quality monitoring allows the NPAC routers to grow in memory usage to the point where nothing is being processed	1/24/02

while new requests are submitted. Restarting the routers frees memory so processing may continue.

Defect Fixed in Release 3.1.0.2

Incident 100641 SOA Range Notification Recovery after Audit create causes abort.

Discovered in Test Case 8.1.1.4.1.1

Not all attributes in the Range Notification were populated. In Release 3.1.0.2 the attributes in the notification message were populated correctly. Objects and attributes detailed below.

Regression Test Cases

3.0 Regression Test Cases

8.1.1.4.1.1

9.2

NANC 48-5

2.0 Regression Test Cases

Audit_1

Audit_2

Audit_3

Audit_5

Related Test Cases

2. NANC 179

2.37
2.38
2.39
2.40

VersionRangeObjectCreation SEQ
range-object-creation SEQ
tn-version-id CHOICE
list-data SET OF no space
object-info SET OF no space

The fields [list-data](#) and [object-info](#) are the fields that 3.1.0.2 populated.