Release 3.1 Turn Up Testing

Daily Status Report: 1/14/02

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	121	P = 120 F = 1 NS = 3	123	98%	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**
SP3	Both	Non-EDR	153	P = 133 F = 2 NS = 18	153	99%	**Testing status changed.** Failed test cases 68-1 & 3. **3.1.0.2 regression testing complete**

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SP4	LSMS	EDR	67	P =67 F = 0 NS = 12	67	100%	**Testing complete for Turn Up.** **3.1.0.2 regression testing complete**
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**
SP6	LSMS	EDR	84	P = 84 F = 0 NS = 9	84	100%	**Testing complete for Turn-Up.** **3.1.0.2 regression testing complete**
SP7	Both	EDR	120	P = 116 F =4 NS = 17	121	96%	No issues to report. **3.1.0.2 regression testing complete**
SP8	1 SOA 2 LSMS	EDR	211	P = 222 F = 0 NS = 14	229	97%	Audit test case failure determined to be NPAC defect.
SP9	LSMS only	Non-EDR	60	P = 60	60	100%	**Testing complete for Turn Up**. **3.1.0.2 regression testing complete**
SP10	LSMS only	Non-EDR	57	P = 55 F = 2	58	95%	Retested Modify test cases fail. SP working with vendor. **3.1.0.2 regression testing complete.**
SP11	Both	EDR	166	P = 165 F = 1 NS = 30	169	99%	SP will work with vendor to correct failed case. **3.1.0.2 regression testing complete**
SP12	SOA only		129	P=129	168	77%	No issues to report.
SP13	SOA only		93	P=93	100	93%	SP will continue with LTI as SOA.
SP14	SOA only	Non-EDR	67	P = 67 F = 0	156	43%	No issues to report.
SP15	SOA only			P = 37	127	29%	No issues to report.
SP16	SOA only			P = 54	135	40%	No issues to report
SP 17 (testing for 6 SPs)	LSMS only	Both		P = 57 NS = 18	57	100%	**Testing complete for Turn Up**. **3.1.0.2 regression testing complete**
SP18							
Group Testing (Northeast)	11 SOA 9 EDR LSMS 4 Non-EDR LSMS			P = 14	31	45%	Three test cases are pending.
SUPER REGION TESTING							
SP1	SOA only			P = 26	124	21%	No issues to report.
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. A ticket was opened with ESI on this incident.	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	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 an SP 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).	
100696	1/04/02	Old SP Create timers not running properly	3		Pending		Awaiting response from SP on test bed specific timer operation.	
100697	1/04/02	NPAC processing	3		Pending		NeuStar log files lost. Cannot	

		failure on create range of SVs					reproduce the failure.	
100839	1/08/02	NANC 179 2.33 Port to original - break in SVID, receive list of 20, expect range of 10.	2	3.1.0.3	Pending		Determined to be a defect. It will be fixed in 3.1.0.3.	
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 numberPoolBlockActivationTimeStamp. Violates gdmo.	Fix to be determined, request that attribute be modifiable.	
101139	1/14/02	NPAC routers restarted in test bed in AM.	3		Open	Router restarted in testbed in AM. RCA requested.	Neustar Application Support investigating.	

				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

ID	Date	Title	Pri	Rel	Status	Description	Resolution	Close Date
							communication. Bouncing the router and re-establishing association created a new communication channel and the TNs advanced to the state they were supposed	
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.	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

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

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.