

## **Task Order 116 – eZ-Audit**

### **Application Test Results Test Checkpoint #4**

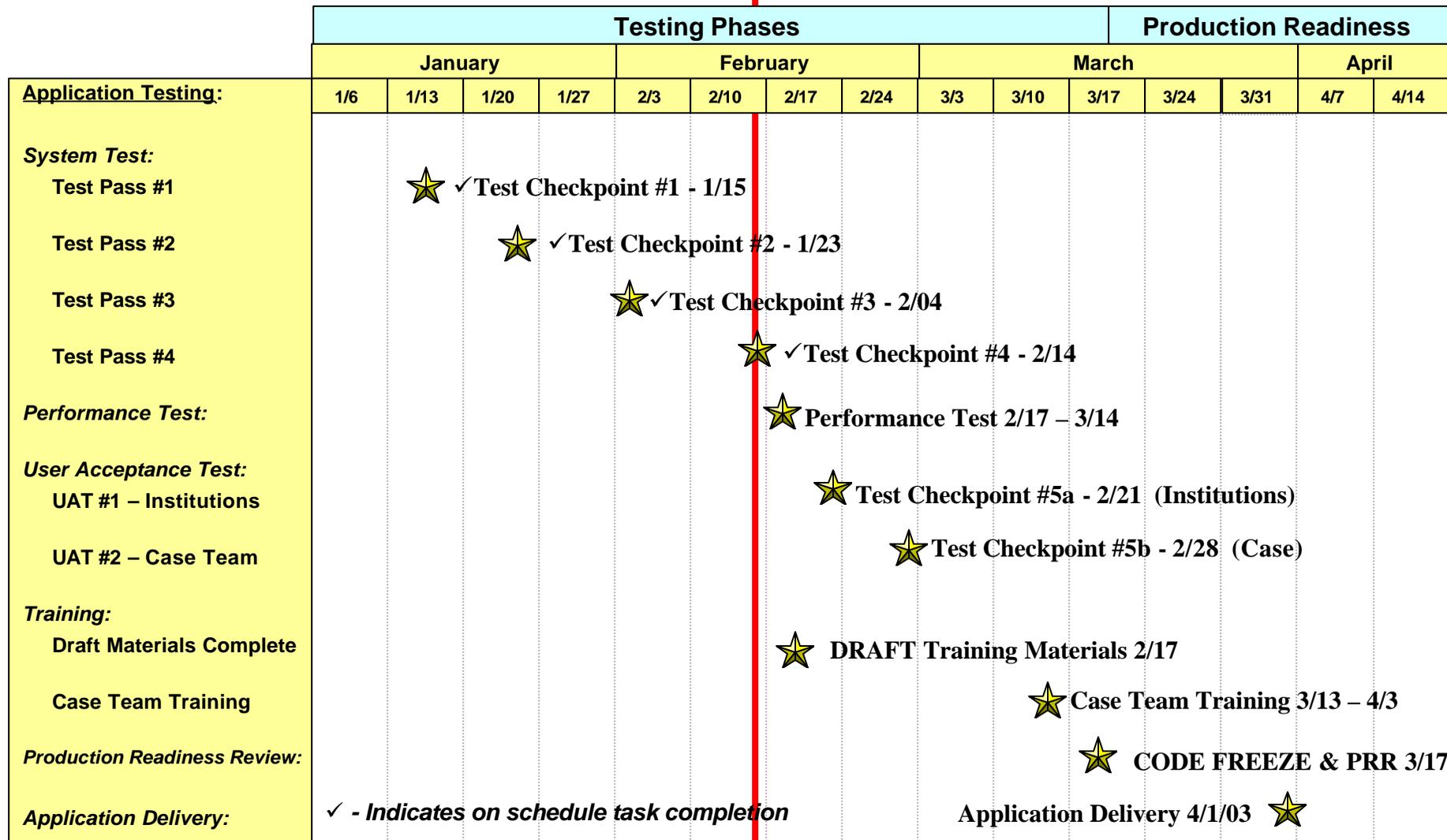
February 14, 2003

# Agenda



- 2003 eZ-Audit Timeline
- Test Pass #4 Status
  - Total SIRs Logged
  - Total SIRs Assigned
  - Total SIRs Resolved
  - Total SIRS Remaining to be Fixed
- Regression Test Status Update
- Production Readiness Timeline
- UAT Expectations and Goals
- Upcoming Events & Key Milestone Dates
- Open Items

# 2003 eZ-Audit Timeline & Key Milestones



## Test Pass #4 Status (as of February 10, 2003)



SIR Severity:	SIR Totals:
Level 1 – High	7
Level 2 – Medium	41
Level 3 – Low	12
Level 4 - Enhancement	2
Total SIRs Logged:	62

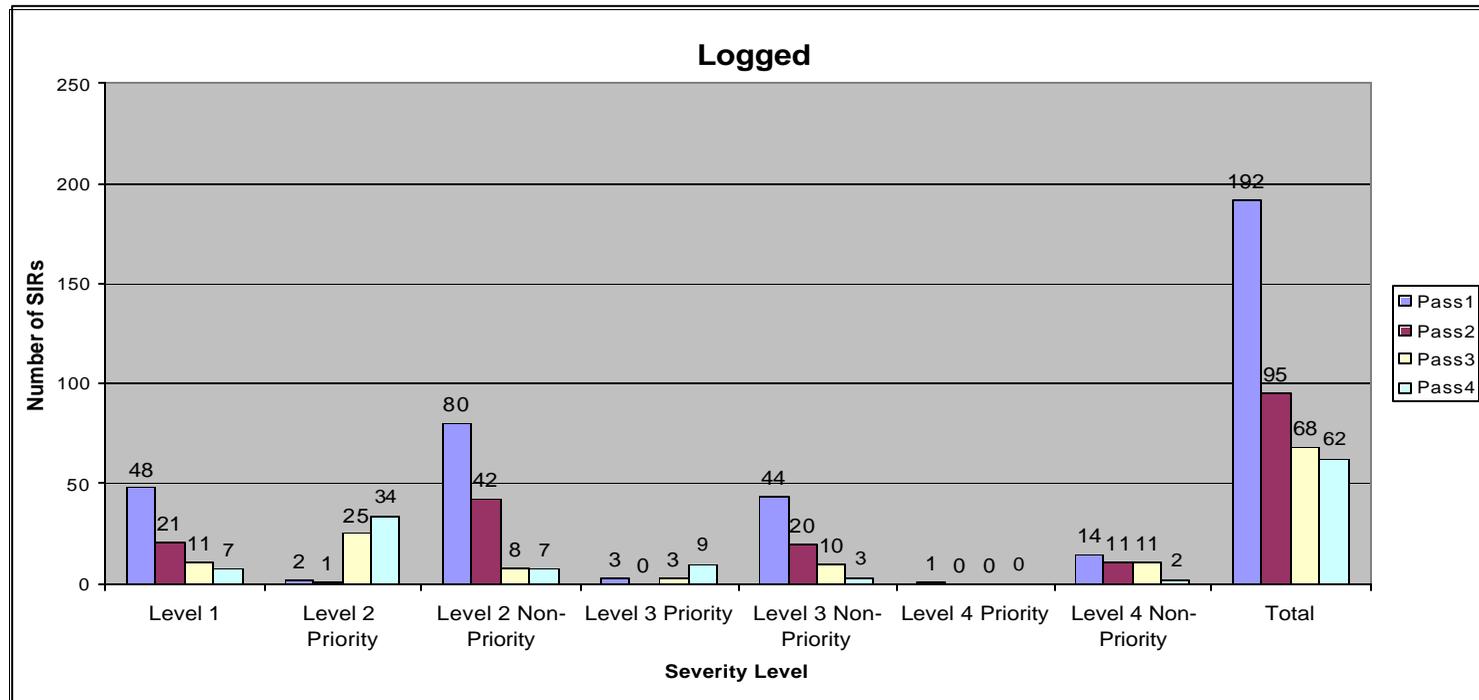
- 100% of all test script steps were tested in Test Pass #4.
- Tested all new January development as previously approved by the Change Control Board
- Confirmed execution of all reports – data validation continues



# Logged (Test Passes 1, 2, 3 and 4)

	Logged				
	Pass1	Pass2	Pass3	Pass4	Total
Level 1	48	21	11	7	87
Level 2 Priority	2	1	25	34	62
Level 2 Non-Priority	80	42	8	7	137
Level 3 Priority	3	0	3	9	15
Level 3 Non-Priority	44	20	10	3	77
Level 4 Priority	1	0	0	0	1
Level 4 Non-Priority	14	11	11	2	38
<b>Total</b>	<b>192</b>	<b>95</b>	<b>68</b>	<b>62</b>	<b>417</b>

- 14 out of 34 Level 2 Priority SIRs are MicroStrategy Reports-related issues
- Four level 1 SIRs are technical duplicates
- Non-Report related reduction between Test Pass 3 and Test Pass 4
  - Overall SIRs were reduced by 30%
  - Level 1 SIRs were reduced by 36%
    - Four of seven were resolved with one fix
  - Level 2 SIRs were reduced by 20%

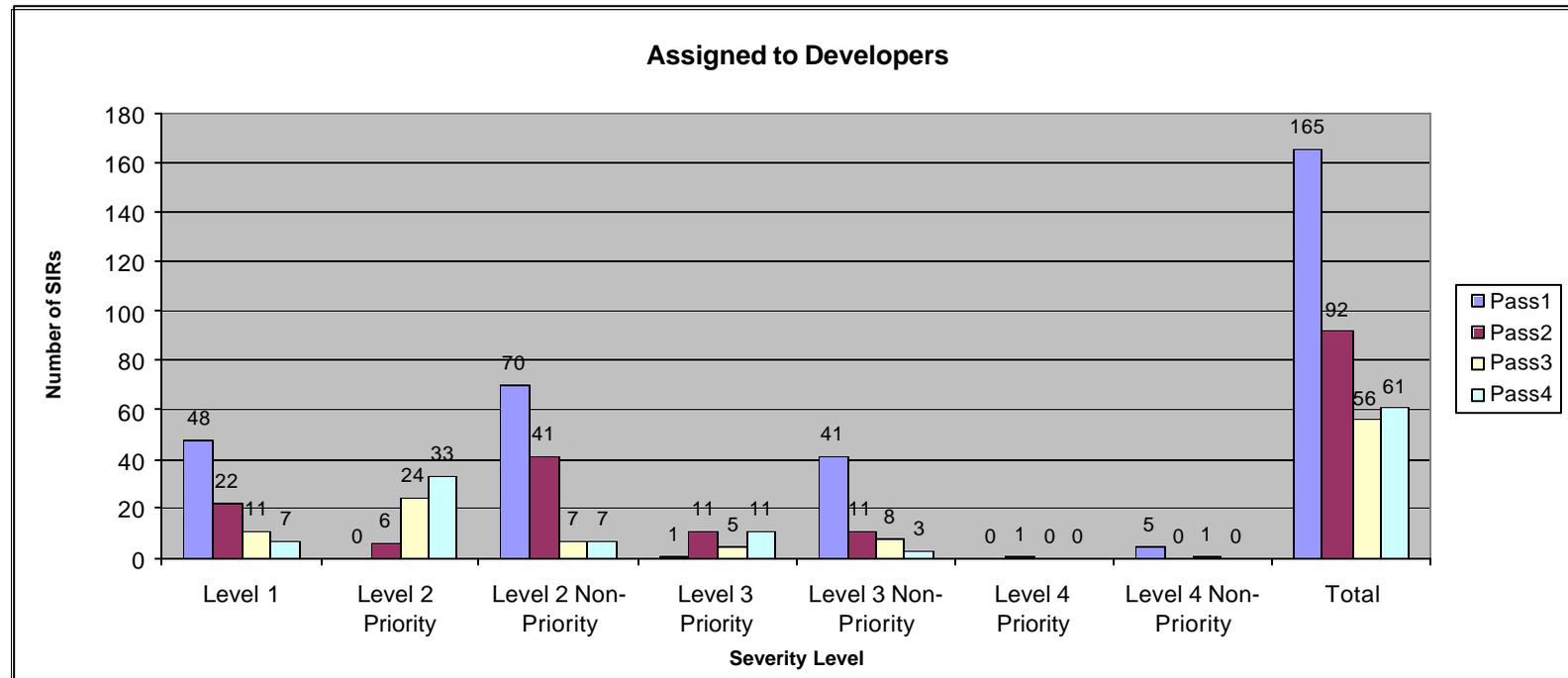




# Assigned (Test Passes 1, 2, 3 and 4)

	Assigned to Developers				
	Pass1	Pass2	Pass3	Pass4	Total
Level 1	48	22	11	7	88
Level 2 Priority	0	6	24	33	63
Level 2 Non-Priority	70	41	7	7	125
Level 3 Priority	1	11	5	11	28
Level 3 Non-Priority	41	11	8	3	63
Level 4 Priority	0	1	0	0	1
Level 4 Non-Priority	5	0	1	0	6
<b>Total</b>	<b>165</b>	<b>92</b>	<b>56</b>	<b>61</b>	<b>374</b>

- Most of the logged SIRs are assigned to the developers. Some SIRs however are not assigned and are marked as rejected, postponed, duplicate or assigned for CCB Review.
- The number of SIRs reduction is not as dramatic as the previous cycles due to a steady Level 2 and level 3 SIRs influx
- 14 out of 33 Level 2 priority SIRs are report related

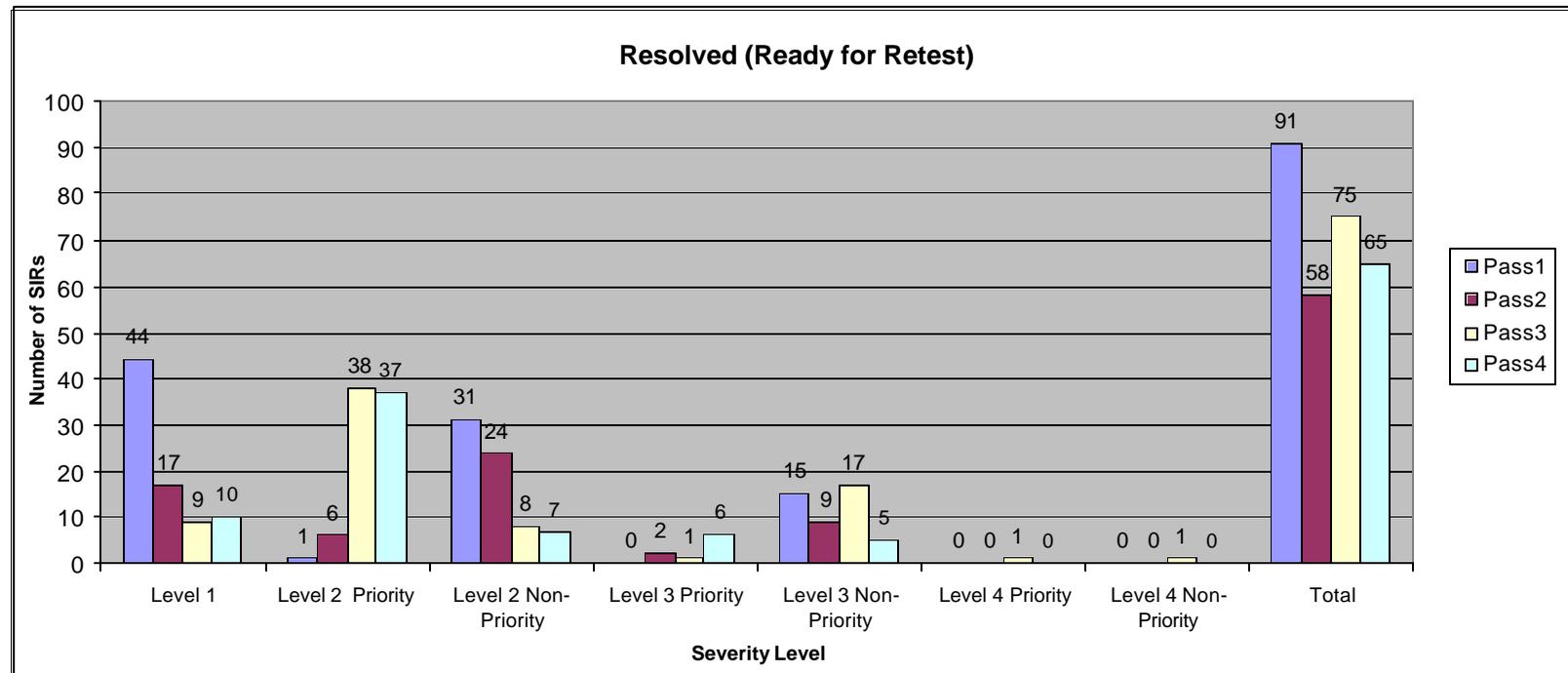




# Resolved (Test Passes 1, 2, 3 and 4)

	Resolved (Ready for Retest)				
	Pass1	Pass2	Pass3	Pass4	Total
Level 1	44	17	9	10	80
Level 2 Priority	1	6	38	37	82
Level 2 Non-Priority	31	24	8	7	70
Level 3 Priority	0	2	1	5	8
Level 3 Non-Priority	15	9	17	6	47
Level 4 Priority	0	0	1	0	1
Level 4 Non-Priority	0	0	1	1	2
<b>Total</b>	<b>91</b>	<b>58</b>	<b>75</b>	<b>66</b>	<b>290</b>

- 290 SIRs have been fixed as of COB Mon, Feb 10.
- In Pass 4 we have been able to fix SIRs at the rate of 11 SIRs per day. There were only six days to test and fix SIRs in TP4 (as supposed to eight days in TP3).
- **98.2%** (285 out of 290) of 'developer fixed' SIRs have been validated as resolved via system test results.
- While MicroStrategy report generation issue has been resolved, there are data population problems that need to be resolved.

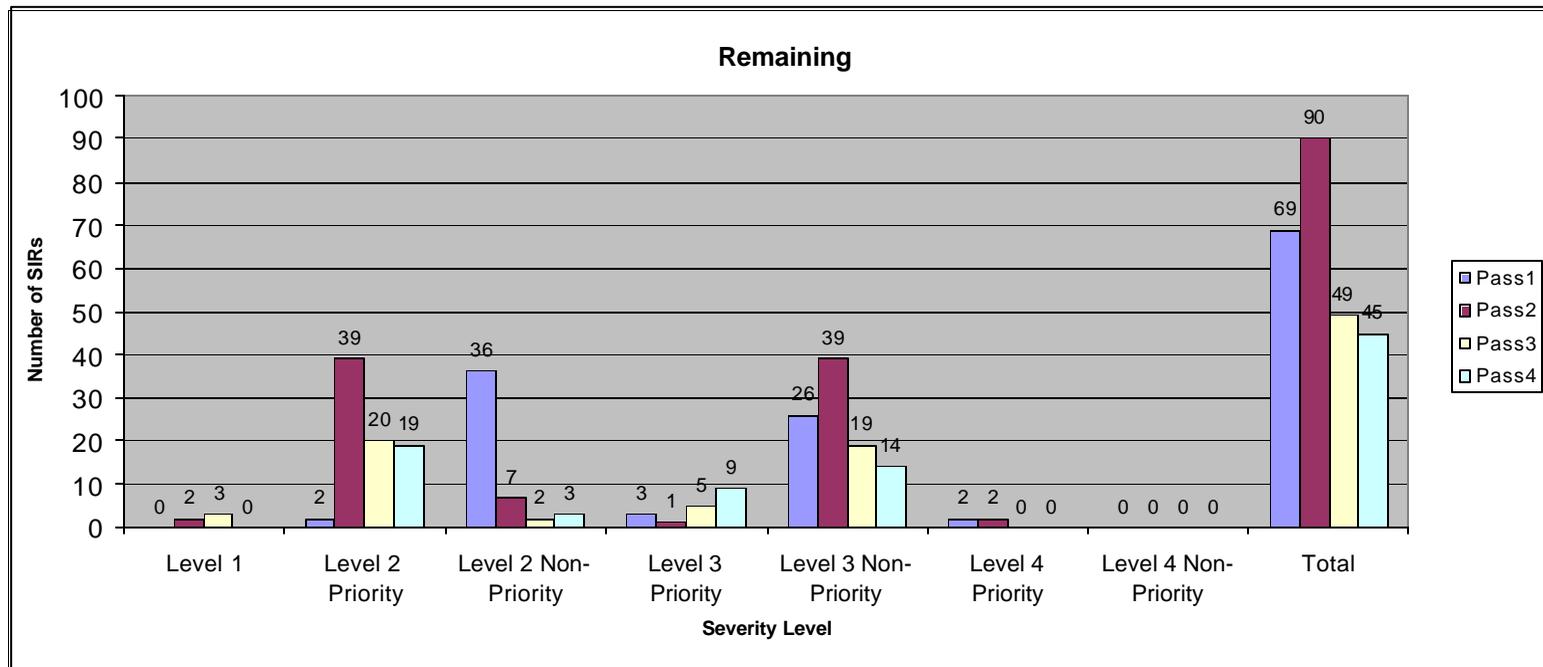




# SIRs Remaining to be Fixed (after 4 passes)

	Remaining			
	Pass1	Pass2	Pass3	Pass4
Level 1	0	2	3	0
Level 2 Priority	2	39	20	19
Level 2 Non-Priority	36	7	2	3
Level 3 Priority	3	1	5	9
Level 3 Non-Priority	26	39	19	14
Level 4 Priority	2	2	0	0
Level 4 Non-Priority	0	0	0	0
<b>Total</b>	<b>69</b>	<b>90</b>	<b>49</b>	<b>45</b>

- All Level 1 SIRs have been resolved.
  - The problem with the 3 open SIRs in TP3 was a result of the double posting of requests from the browser. The issue was resolved by eliminating any input type=image.
- Of the 417 SIRs logged, 45 SIRs remain to be fixed (11 of them are Reports).
- We did not resolve all Level 2 Priority SIRs (8 remaining) due to our concentration in fixing the reporting issues .
- We are planning on fixing Level 1 and 2 SIRs at the rate of 7 per day as the result of increased effort in PEPS integration and production environment readiness.



# Regression Test - Progress Report as of COB February 13<sup>th</sup>



These tables show the snapshot of the number of SIRs at the various states between Feb 11 and 13.

	All SIRs without Reports			
	Log	Assigned	Resolved	Remaining
Level 1	1	1	0	1
Level 2 Priority	9	10	6	11
Level 2 Non-Priority	1	0	1	2
Level 3 Priority	2	3	1	7
Level 3 Non-Priority	4	3	6	10
Level 4 Priority	1	0	0	0
Level 4 Non-Priority	2	0	0	0
<b>Total</b>	<b>20</b>	<b>17</b>	<b>14</b>	<b>31</b>

- So far, there are only **20** SIRs identified as a result of Regression Test.
- Outside Reports, currently we have **14** Level 1&2 SIRs remaining to be fixed.

	Reports			
	Log	Assigned	Resolved	Remaining
Level 1	0	0	0	0
Level 2 Priority	4	5	11	3
Level 2 Non-Priority	0	0	0	0
Level 3 Priority	2	2	5	1
Level 3 Non-Priority	0	0	0	0
Level 4 Priority	0	0	0	0
Level 4 Non-Priority	0	0	0	0
<b>Total</b>	<b>6</b>	<b>7</b>	<b>16</b>	<b>4</b>

# Production Readiness Timeline



Activities	Dates
Production Readiness Review (PRR) Dry Run #1	March 3
Pre-Production Regression Test and Fixes	March 3 – March 14
PEPS Integration System Test	March 3 - March 7
Performance Test and Fixes	March 3 – March 14
PRR Dry Run #2	March 10
<b>Obtain Agreement on PEPS/eZ-Audit TPA</b>	<b>March 10</b>
Operation Readiness Review (ORR)	March 11
<b>Code and Database Migration to Production Environment</b>	<b>March 16</b>
Production Readiness Review (PRR)	March 17
Production Environment Test <b>(with real PEPS data)</b>	March 17
Code Freeze/ Production Data Load	March 17 – March 31
Stabilization Support - 8 weeks	April 1 – May 27

## UAT Expectations & Goals



- Each participant will perform functions based on their user roles in the eZ-Audit application.
- Test the eZ-Audit system to ensure the system functions as intended (per the approved design)
- Execute test scripts without any Level 1 SIRs reported
- Feedback will be solicited for potential enhancements to the eZ-Audit application and/or business processes.

# Upcoming Events & Key Milestone Dates



Activities	Dates
<b>✓ System Test (4 Runs)</b>	
✓ Test Pass 1	January 2 – January 10
✓ Checkpoint #1	January 15
✓ Test Pass 2	January 14 – January 20
✓ Checkpoint #2	January 23
✓ Test Pass 3	January 23 – January 29
✓ Checkpoint #3	February 4
✓ Test Pass 4	February 3 – February 7
✓ Checkpoint #4	February 14
✓ SIR Fixes from System Test	January 2 – February 10
✓ Pre-UAT Regression Test	February 11 – February 14
<b>✓ Checkpoint #4</b>	<b>February 14</b>
<b>User Acceptance Test (UAT) – 2 Sessions</b>	
Institution Users	February 18 – February 20
UAT Checkpoint #5a	February 21
Case Team Members	February 25 – February 27
UAT Checkpoint #5b	February 28

# Upcoming Events & Key Milestone Dates



Activities	Dates
<b>Performance Test</b>	
Performance Test and Tech Arch Tuning	February 17 – March 14
<b>Final Code Fixes &amp; Testing</b>	
Post-UAT Regression Test	March 3 – March 17
Final Test Checkpoint #6	March 18
<b>Production Readiness Review (PRR)</b>	
PRR Dry Run #1	March 3
PRR Dry Run #2	March 10
Production Readiness Review	March 17
<b>Case Team Training</b>	
Training materials – Drafts completed	February 17
Case Team Dry Run	March 4
Schools' User Guide posted to IFAP	April 1
<b>Deployment Activities</b>	
CODE FREEZE	March 17
Production Data Load	March 17 – March 31
Stabilization Support	Beginning April 1

## Open Items



- Outstanding text requested from FSA Core Team
  - Status of Dear Colleague Letter (1/01/03)
  - Static text for Initial/Reinstatement submissions (1/22/03)
    - Only one year's worth of financial data needs to be entered
- Outreach effort to School Groups (1/23/03)
- Case Team users and role definitions (2/28/03)
  - Case Team user registration
- Questions regarding Remaining SIRs
- UAT sign-off



## Appendix

Test Checkpoints

# Charts Overview



Abbr.	Legend	Owner	Description
Log	Logged	Tester	SIRs found during testing.
Assigned	Assigned to Developers	Dev Lead	SIRs assigned to developers.
In Dev	In Development	Dev	The combination of SIRs assigned to the dev lead, developers and unassigned.
Out Dev	Out of Development	Dev	SIRs that are not the responsibility of the developers anymore, such as: resolved, closed, CCB Review, Duplicate, Reject.
Fixed	Resolved (Ready for Retest)	Dev	SIRs that have been fixed by the developers and ready to be retested by the testers
Closed	Closed	Test Lead	SIRs that are ready to be migrated to the system test environment for retest.
CCB	CCB Review	Test Lead	SIRs that require FSA decision to be resolved.
Dup	Duplicate	Test/Dev Lead	Same SIRs that have been logged in the system.

# SIR Severity Definition



- Level 1 (High) – System Failure or Showstopper
- Level 2 (Medium) – Incorrect/incomplete result, but possible workaround exists
- Level 3 (Low) – Any inconsistency or Nice-to-have change with no impact to system functionality
- Level 4 (Enhancement) – New Requirement

# SIR Resolution Process



## TEST TEAM

1. Tester logs SIR and assigns severity level.



2. Test Lead verifies SIR and severity level. Assigns it to the Dev (Fix-it) Team Lead.



3a. If can't reach agreement on severity level, discuss it with PM and Implementation Team Lead during daily Triage meetings.



8. Test Lead confirms resolution and closes SIR.

7. Tester retests SIR on the System Test Environment.

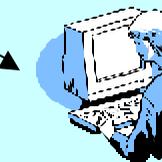


## DEV (FIX-IT) TEAM

3. Dev (Fix-it) Team Lead agrees on SIR and severity level. Assigns it to a developer.



4. Developer fixes SIR, tests it on the dev and Assembly Test (AT) environments.



6. Developer migrates code to the System Test Environment.

5. Dev (Fix-it) team confirms SIR fixes with the original tester and changes status.

# Performance Test Parameters



- **Number of Concurrent Users**
  - Number of Institution Users
  - Number of CASE Users
- **Functionalities that are frequently used**
  - Annual submission
  - Searches
  - Create users
  - Login / logout
  - Institution home
  - Co-team home
  - DDIF / ACD
- **Code that potentially requires heavy system resources**
  - Calculations
  - DB Lookups/ Updates
  - File Uploads
  - Reports