January Talk Story

January 12, 2012
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Testing Overview

• Purpose
  • Validate the quality of the product prior to the production implementation, including UH retrofitting/customizations
  • Confirm that software is stable for production
  • Main focus is on items from a unit test perspective
# Testing Timeline

<table>
<thead>
<tr>
<th>Task Name</th>
<th>Duration</th>
<th>Start</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>KFS Implementation Test Plan</td>
<td>94 days</td>
<td>Tue 1/3/12</td>
<td>Fri 5/11/12</td>
</tr>
<tr>
<td>Test Scenario/Script Development</td>
<td>20 days</td>
<td>Tue 1/3/12</td>
<td>Mon 1/30/12</td>
</tr>
<tr>
<td>Integration Test Cycle 1</td>
<td>30 days</td>
<td>Tue 1/31/12</td>
<td>Mon 3/12/12</td>
</tr>
<tr>
<td>Integration Test Cycle 2</td>
<td>7.2 wks</td>
<td>Fri 3/23/12</td>
<td>Fri 5/11/12</td>
</tr>
</tbody>
</table>
Test Cycles

- Regression Test (On-going)
  - Purpose of test phase:
    - Performed after bug fixes or data conversions have been updated in the environment
    - Quality control verifying modified code meets the requirements of the system and no negative impacts on any unmodified code.
    - Verify configuration data
  - Where will testing occur:
    - Completed in environments as rebuilds occur
  - Who will be involved in testing:
    - Project team Module Leads and Consultants
Test Cycles cont.

- Integration Test Cycle 1
  - Purpose
    - Initial testing of developed scenarios and scripts
    - First internal sequenced test cycle that will be aimed at running all appropriate scripts once to identify issues in the end to end processing.
    - First full regression test with all retrofitted/customized items.

  - When will testing occur
    - Expected Start 2/13/2012
    - Expected End 3/9/2012

  - What environment will testing occur:
    - UH KFS QA Environment

  - Who will be involved in testing:
    - Project Module Leads and consultants
• Integration Test Cycle 2
  • Purpose
    • Provides a second pass full end-to-end testing
    • Regression test any defects identified in Cycle 1
    • Production ready security
    • Test conversion data and Interface file feeds
    • Report validation
    • Contingency testing for scenarios identified for Cycle 1

• When will testing occur
  • Expected Start 4/2/2012
  • Expected End 5/11/2012

• What environment will testing occur:
  • UH KFS QA Environment

• Who will be involved in testing:
  • SMES/Field Users/Lead and Consultants
Test Preparation Activities

- Process documentation:
  - Test script development
  - Training material development

- Scenarios:
  - Leveraged from partnering institutions and KFS Foundation
  - Development of scenarios need to test UH processes and UH KFS modifications

- Scripts:
  - Leveraged from partnering institutions and KFS Foundation
  - Development of scripts need to test UH processes and UH KFS modifications
Questions?