MGSS Review Board Report

Review: PDS Build 13.1 Test Readiness Review (TRR).

Review Date: April 3, 2023

Purpose: PDS is transitioning to MGSS processes and no formal entry criteria are assessed.

Entry Criteria: see entry criteria sheet.

Review Board Attendance:

Person	Role	In Attendance
Scott Markham	Review Board Chair	yes
Kyran Owen-Mankovich	Deputy MGSS Chief Engineer	yes
Eva Bokor	Assurance Engineer	yes
Mike Pajevski	MGSS System Security Engineer	yes
Jordan Padams	Task Manager	yes
Vivian Tang	Task Cognizant Engineer	yes
Gary Chen	Test Engineer	yes
Miguel Pena	Test Engineer	yes

Waivers/**Liens**: none.

RFAs/AIs:

- No formal Requests for Action in this review.

Follow-up Actions:

1. Check and update the OS versions in the TRR presentation and the Test Plan to ensure it matches the actual test environment

2. It was difficult to follow what tests are actually being executed for the cycle without Gary's explanation. For future TRR's it will be helpful to clarify for reviewers how the RDD and Test Plan map and help to understand the list of planned tests for the release. Ensure that the list of planned tests, which is in Section 6 "Traceability Matrix" of the Test Plan document, are the set of tests reported on at the DDR.

3. Enter the closure information into MGSSAITS-1205 and MGSSAITS-1206 and submit them for closure.

Meeting Notes and Issues:

- Software Overview:

    o No comments .

- Commitments:

    o The linked RDD shows the commitments, improvements, defects corrections, sustaining activities and other activities. There is some confusion about the "badges" which Jordan calls "stop Lights". It was not clear to reviewers how these matched with what was listed in TestPlan but after discussion it was clearer..

- Improvements:
  - See Commitments.
- Defect Corrections:
  - See Commitments.
- Sustaining Activities:
  - See Commitments.
- Other:
  - See Commitments.
- Documentation
  - No comments.
- Test Objectives:
  - No comments .
- Test Environment:
  - Mike asks about the MacOS version and Linux OS version being a little older than current MGSS versions. Gary states that the MacOS version is actually newer than what is listed in the TRR presentation.   Eva notes that the versions in the TRR presentation are not matching the Test Plan document in section 2.2. A Follow-up task is written to check and update the OS versions in the TRR presentation and the Test Plan to ensure it matches the actual test environment.
  - Eva explains that she was not able to map the tests in the Test Plan to the tests in the TRR presentation. Jordan agrees that it is not very clear how they map. Gary explains the Test Plan Section 6 Traceability Matrix lists all of the tickets (column 1) that are testable from the RDD and this is the list of tests that are planned for the release testing cycle. Each of the planned tests has an entry in Section 5 Test Procedure which gives how long it takes to run the test. So the total time to test given in the TRR is derived from this. Kyran points out that these are the tests which then must be reported on in the DDR.
  - Kyran points out that the Test Plan has references to Release 13.0 and probably should be Release 13.1
- Key/New Test Cases:
  - No comments .
- Test Personnel:
  - Scott asks if the "40" in the availability column is 40 days? Vivian answers yes, it is 40 days.
- Test Effort Rational:
  - No comments.
- Testing Constraints and Risks:
  - Scott asks if the team has had a lot of trouble deploying the external software packages or Registry Docker in the past? How likely is it to occur this time?   Jordan says the registry touches everything but there really is a small likelihood of the Registry not deploying.

- o Given a 3 week test cycle how likely is it that documentation of pds-api-client will not complete? Scott states that this is a real risk and asks Vivian to follow up with the developer who is writing the documents to be sure testers get them in time.
- Action Item Status:
  - o Scott states it looks like Jordan can submit closure information for MGSSAITS-1205 and -1206 so they could be closed by the time of the DDR.
- Deviations:
  - . No comments.

Board Comments:

Scott Markham, Board Chair: Three follow up actions written. With discussion at this TRR I believe you are ready to test.

Kyran Owen Mankovich, MGSS Chief Engineer: Ready to test. Work on ensuring the documents match for test cases planned will be helpful at the DDR.

Eva Bokor, Assurance Engineer: Eva asks who are the customers who will take this? Vivian and Jordan state that the scientists who wish to find products, person using the tool, Missions providing the data, etc. The tool descriptions describe who use the tools. Working though the PDS Management Council is the way the new capabilities are requested but the information in a TRR/DDR is really low level for most customers. Jordan will pick some technically oriented users. Eva states ready to test.

Mike Pajevski, MGSS System Security Engineer: No issue to raise. Please proceed to test.

Jordan Padams, Task Manager: Ready to test

Vivian Tang, Task Cognizant Engineer: Team did a great job

Gary Chen, Test Lead Engineer: We are ready to test.

Miguel Pena, Test Engineer: Concurs – ready to test.