

MGSS Review Board Report

Review: PDS Build 14.1 Test Readiness Review (TRR).

Review Date: April 8, 2024

Purpose: Review PDS readiness for subsystem testing. PDS is not required to follow the formal MGSS processes and no formal entry criteria are assessed.

Entry Criteria: see informal SQA comments.

Review Board Attendance:

<i>Person</i>	<i>Role</i>	<i>In Attendance</i>
Scott Markham	Review Board Chair	Yes
Kyran Owen-Mankovich	MGSS Deputy 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
Tim Mcclanahan	PDS Project Office	No
Jason Kang	Cartography and Imaging Sciences Node	No
Dan Scholes	Geoscience Node at Wash U	No
Mike Drum	SBN at Planetary Science Institute	No

Waivers/Liens: none.

RFAs/AIs:

- No formal Requests for Action in this review.

Follow-up Actions:

1. Vivian to add the Release Plan link to the table of Work Products in the Software Overview section of the TRR presentation wiki.
2. Scott Markham to see if he has permission close MGSSAITS-1204 and 1205 since they are ready for closure and if he can't will ask Kyran to close them.
3. Vivian to work with Eva to address MGSSAITS-1713 which requests a PDS perform a software classification. Eva is extending the due date of MGSSAITS-1713.

Meeting Notes and Issues:

- Software Overview:
 - Scott Markham notes PDS Customers are not required for a TRR and we have lite customer attendance due to the full Eclipse.
 - Vivian noted this version is the first version where TestRail is used to capture test runs and results. Eva notes that a test plan should include test environment and other

information so Test Rail is not sufficient. Vivian answers that the test environment, staffing, schedule, etc are covered later in the review.

- Commitments:
 - No comments.
- Enhancements:
 - Scott Markham asks: For the Deep Archive the p.must-have enhancement “[deep-archive#159](#) Upgrade deep-archive to comply with latest search API changes (API v1.4.0 / pds-api-client v1.5.0)” is listed as skip-testing, why is this not tested? Answer: Jordan answers that every deep archive test case uses the new API so there is not one specific test case associated with [deep-archive#159](#). Scott now understands that the item was not implementation of specific new search API changes that needed individual testing.
- Defect Corrections:
 - Scott Markham asks: For the Data Set View application the bug fix for “[ds-view#14](#) Memory leak in Solr connections leading to Tomcat crash” is not being tested – why? Answer: Jordan states that a benchmark test is run to to ensure it passes but it is difficult to run tests which would fully reproduce the memory leak. They believe they found and fixed the leak source based on code review.
- Sustaining Activities:
 - No comments.
- Other:
 - No “Other” activities.
- Documentation
 - No comments.
- Test Objectives:
 - No comments.
- Test Environment:
 - No comments.
- Key/New Test Cases:
 - No comments.
- Test Personnel:
 - No comments.
- Test Effort Rational:
 - No comments.
- Testing Constraints and Risks:
 - No comments.
- Action Item Status:
 - Scott Markham to see if he can close MGSSAITS-1204 and 1205 since they are ready for closure. Eva Bokor stated that MGSSAITS-1713 is an open and now overdue action from the last DDR and Eva agrees to help Vivian complete the software classification and will extend the due date.
- Deviations:

- Added Registry Multi-Tenancy and registry sweeper to the release plan and removed 4 more minor planned updates based on inputs from the PDS customer working group. Vivian discusses multiple forums in which customer can give input on items added and removed from the release.
- Liens
 - Registry Multi-Tenancy and registry sweeper (registry#185) was not completed in time for today's TRR. The PDS team would like to complete the implementation in time to deploy it for formal testing in time for it to be releases with 14.1 at its DDR on 5/30/2024

Board Comments:

Scott Markham, Board Chair: 3 minor follow up actions were documented. I also encourage the PDS team to discuss what plan they have if the Multi-Tenancy and Registry sweeper release items are not able to be delivered into the test environment and tested prior to the planned 14.1 DDR on 5/30/2024. Would the PDS team want delay the DDR in order to deliver these items given the potential for saving money and time? Or, perhaps, consider a patch release (14.1.1) with testing specific to those two items – typically a patch release would have a revision to the 14.1 test report and RDD and I am happy to discuss this with you and coordinate with Kyran if you choose this path.

Eva Bokor, Assurance Engineer: No further comments.

Mike Pajevski, MGSS System Security Engineer: Good on code scanning. Pass and ready to test.

Jordan Padams, Task Manager: Ready for test.

Vivian Tang, Task Cognizant Engineer: Ready to test and thanks to the I&T team

Gary Chen, Test Lead Engineer: Ready to test

Miguel Pena, Test Engineer: Nothing to add ready to test.

Kyran Owen-Mankovich, MGSS Deputy Chief Engineer: No comment – go for test.