MGSS Review Board Report (Final)

Review: PDS 12.0 Delivery and Deployment Review (DDR)

Review Date: 11/18/2021

Responsible Individual: Jordan Padams

Purpose: To review materials that SQA has determined allow the subsystem to deliver to AMMOS System Test and determine any additional actions the board deems necessary.

Entry and Exit Criteria: Satisfied.

MGSS JIRA ID: MGSSAITS-1203

Review Board Attendance:

Person	*Role*	*In Attendance*
Robin O'Brien	Review Board Chair	Yes
Scott Markham	MGSS Chief Engineer/Delegate	Yes
Eva Bokor	Assurance Engineer	Yes
Mike Pajevski	MGSS Architect/MGSS System Security Engineer	
Jordan Padams	Task Manager	
Thomas Loubreiu	Task Cognizant Engineer	

Other Attendees: Vivian Tang, Emily Law, Gary Chen, John Engelke

Liens: None

Action Items:

MGSSAITS-1204 : Eva and Jordan to setup meeting with Costin to determine where the ultimate PDS document repository is.

MGSSAITS1205- : Mike Pajevski and Jordan to meet and discuss running Semmle scans against Java script.

MGSSAITS-1206 : For next review, follow MGSS practices for displaying defects.

Concerns and Issues:

- We talked about requirements – PDS vets new requirements with it's users groups. The Team does recognize the difference between requirements and improvements.

- Eva asked about the release of documents – do the documents go to EPDM? Jordan said they go to Github and are considered "Released" – they don't go to EPDM. Eva said that there is a JPL requirement to put documents in an "Approved" CM repository. Jordan pointed out that the SDR allows for processes to be tailored. [MGSSAITS-1204] Eva and Jordan to talk to Costin about documenting where the ultimate PDS document repository is.

- Improvements – Robin mentioned that the validation improvement sounds pretty significant – Jordan said it does come from user requirements.   On the DOI Service, it sounds like they've expanded the use of DOI's by providing a web interface to create them.

- On the defect corrections, Robin asked about the single line – it's really 3 defects discussed here.

- On the requirements, there was some confusion about what the slide meant. This slide talks about how test cases are matched to different tools – not really what we are interested in a DDR. The goal would be to show what capabilities you delivered (in a long delivery cycle like PDS, you might want to do highlights), and did you test them all, and what are the test results.

- On the Failed Test Case 1 – this isn't really a failure, more of a user error.

- On the Failed Test Case 2 – Robin questioned why the severity was "High" – there does appear to be a reasonable workaround. Thomas said it was because the requirement was not met. The UI was ready and will not be delivered yet. The users don't have this capability historically. Jordan said that they will probably put out a patch for this before the next official release.

- On the Failed Test Case 3 – there are security vulnerabilities in the java script. Not a concern since the UI will not be released until the patch comes out. Mike Pajevski asked if they were using Semmle scans. Jordan did not think that was possible with Java script – Mike said that was not true. [MGSSAITS-1205] Mike and Jordan to talk about running Semmle against Java script.On failed test case #4 – expect a fix by December.

- Failed Case #5 – fix will be in a patch next month.

- Discussion on SLOC – Eva mentioned that this is a requirement from the SDR, but Robin said that what we want is at a very high level – how many lines of codes in your software total, how many did you add since last delivery, how many did you delete. Mike Pajevski can provide more info.

- On the defect summary – this was a little confusing and Jordan said that it didn't reflect the actual bug status. Eva reiterated that we wanted to see how many open bugs are in your delivery and how are those bugs rated (eg. 2 high, 5 medium, 15 low). [MGSSAITS-1206]for next delivery.

- PLAID is delivered by IDS – was not successful for this release. Planned for next release.

Board Comments

- Mike Pajevski – Need to touch base on Semmle Scan.

- Scott Markham – Team appears to have some failures that will be worked out in a patch release. Working on the bug criticalities and the PLAID issue with IDS.

- Robin added that the team made a valiant effort to conform to the MGSS templates – which are not always clear and are in the process of being re-worked. Hopefully in 2022 we can clarify and simplify the process for you.