

PDS B13.1 DDR

PDS Engineering Node

Exported on 07/26/2023

Table of Contents

1	1. Agenda	3
2	2. Review Board	4
3	3. Software Overview	5
4	4. Commitments.....	6
5	5. Improvements	9
6	6. Defect Corrections.....	10
7	7. Sustaining Activities	16
8	8. Other	17
9	9. Documentation	18
10	10. Additional Testing.....	19
11	11. Test Case Explanations	20
12	12. Software Status	21
13	13. Open Defect Summary	23
14	14. Action Item Status.....	24
15	15. Deviations	25

1 1. Agenda

- 1. Agenda(see page 3)
- 2. Review Board(see page 4)
- 3. Software Overview(see page 5)
- 4. Commitments(see page 6)
- 5. Improvements(see page 9)
- 6. Defect Corrections(see page 10)
- 7. Sustaining Activities(see page 16)
- 8. Other(see page 17)
- 9. Documentation(see page 18)
- 10. Additional Testing(see page 19)
- 11. Test Case Explanations(see page 20)
- 12. Software Status(see page 21)
- 13. Open Defect Summary(see page 23)
- 14. Action Item Status(see page 24)
- 15. Deviations(see page 25)

2 2. Review Board

Review Board Chair	Scott Markham/Kyran Owen-Mankovich (Delegate)
Chief Engineer	Costin Radulescu/Kyran Owen-Mankovich (Delegate)
Assurance Engineer	Eva Bokor
Security Systems Engineer	Mike Pajevski
Task Manager	Jordan Padams
Test Engineer	Gary Chen/Miguel Pena
Other Stakeholders	Kevin Grimes - Cartography and Imaging Sciences Node (not present) Dan Scholes - Geoscience Node at Wash U (not present) Mike Drum – SBN at Planetary Science Institute (not present)

3 3. Software Overview

- <https://nasa-pds.github.io/releases/13.1/>
- <https://nasa-pds.github.io/releases/13.1/rdd.html>
- Test procedures and results for release 13.1 in test rail:https://cae-testrail.jpl.nasa.gov/testrail/index.php?/runs/view/30906&group_by=cases:section_id&group_order=asc

4 4. Commitments

JIRA Ticket ID	Title	Test ID(s)	Test Status
doi-service#283	As a publisher, I want to be notified when a new DOI has been minted or significant update to the metadata	DOI.3	Pass
doi-service#344	As a user, I want to release a DOI with a label that does not contain the DOI	DOI.4	Pass
nucleus#29	As a user, I want to know the baseline architecture and deployment	NUC.1	Pass
pds-api#221	As a user, I want to query only the latest versions of products unless explicitly requested	API.2	Pass
pds-api#193	As a user, I want to be able to access the Search API Swagger interface from ¹ pds.nasa.gov	API.10	Pass
pds-api#239	As a user, I want to get application/json response format by default if I request an API url in my browser	API.11	Pass
pds-api#198	As a user, I want query responses for empty results to be clearly documented	API.12	Pass
pds-api#175	As a user, I want to know how to query observational data only	API.13	Pass
portal-tasks#49	Update DataSet View to display DOI from label if there is no DOI for the product in our database	PORT.6	Pass
registry#130	As a user, I want to view dashboard report of bundles with archive status and other tracking information	REG.1	Pass
registry#52	As a user, I want to indicate a product has been superseded	REG.9	Pass

¹ <http://pds.nasa.gov>

registry#100	Update documentation to include explicit example of how to query staged data	REG.8	Pass
registry#153	As a user, I want to all metadata attributes to be searchable	REG.10	Pass
registry-api#208	As a registry-tool/registry-user I want to ensure leading multiple forward-slashes in request paths are stripped out	REG_API.18	Pass
registry-api#223	As a user, I want to know the members of a bundle product	REG_API.20	Pass
registry-api#282	As a user, I want to search by any metadata attribute	REG_API.21	Pass
registry-api#212	As a user, I want the API to support redundant / in the url	REG_API.19	Pass
registry-api#248	Suggest: Return Content-Type application/json by default	REG_API.22	Pass
pds4-information-model#473	As a user, I want to describe a relationship between an attribute in the model and the column of a table	IM.2	Pass
pds4-information-model#611	CCB-355: Add Funding_Acknowledgement class to Citation_Information Class	IM.3	Pass
pds4-information-model#608	CCB-354: Add new permissible values to Header/parsing_standard_id to support new versions of CDF	IM.4	Pass
pds4-information-model#602	CCB-361: Add a permissible value for microradians to Units_of_Angle	IM.5	Pass
pds4-information-model#599	CCB-360: Add new permissible value to Units_of_Misc	IM.6	Pass
pds4-information-model#458	As a developer I want to have the PDS4 Information Model expressed in the RDF/OWL/TTL format.	IM.7	Pass

pds4-information-model#603	CCB-362: Add a permissible value of nm/mm to Units_of_Misc	IM.8	Pass
pds4-information-model#502	CCB-350: Adopt more rigorous / stringent rules for leap seconds and use of “24:00:00” in datetimes	IM.9	Pass
pds4-information-model#616	CCB-325: Support for video and audio as product observational	IM.10	Pass
validate#569	Improve error message when file is truncated and cannot be read	VAL.23	Pass
validate#436	Improve error messages for overlapping objects in a label	VAL.24	Pass
validate#603	Verify unit tests have been added to test support registry referential integrity checker tool	VAL.25	Pass
validate#596	Verify that a user is able to validate all products referenced from a collection exist within the archive	VAL.26	Pass
validate#595	Verify that a user is able to validate all collections referenced from a bundle exist within the archive	VAL.27	Pass
validate#415	Verify that a user is able to validate all internal references to products in the PDS archive are valid	VAL.28	Pass
validate#316	Verify that a user is able to validate all internal references from one product to another exist within the archive	VAL.29	Pass

5 5. Improvements

JIRA Ticket ID	Title	Test ID(s)	Test Status
harvest#106	Improve skipped product INFO message	HAR.3	Pass
pds-api#194	Develop NASA/PDS Skin for Search API Swagger interface	API.14	Pass
portal-tasks#49	Update DataSet View to display DOI from label if there is no DOI for the product in our database	PORT.6	Pass

6 6. Defect Corrections

JIRA Ticket ID	Title	Test ID(s)	Test Status
deep-archive#137	Pagination handling does not appear to work properly for pds-deep-registry-archive	DEEP.1	Pass
deep-archive#134	Cannot connect to any PDS API endpoints for pds-deep-archive-registry	DEEP.2	Pass
deep-archive#145	Canonical path is not processed correctly ('../' in path)	DEEP.3	Pass
doi-service#398	Still – Unable to generate / export json report of DOI metadata	DOI.1	Pass
doi-service#377	DOI Service does not accurately parse <author_list> and <editor_list> in XML labels	DOI.2	Pass
doi-ui#130	Remove vulnerabilities from the package per npm audit	DOI-UI.1	Failed
doi-ui#167	doi-editor release ui inoperable under Firefox	DOI-UI.2	Pass
harvest#112	–overwrite flag is not respected for <bundles> elements in harvest config	HAR.1	Pass
harvest#102	Harvest skips path that is the root of a soft link	HAR.2	Pass
pds-api#220	Past versions are being returned by API, by default	API.1	Pass
pds-api#200	API performance degradation from B12.1 release	API.3	Pass
pds-api#215	vnd.nasa.pds.pds4+xml format does not return information	API.4	Pass
pds-api#196	Swagger API page does not show the expected deployed API version	API.5	Pass

pds-api#213	Accept header of text/csv returns blank lines	API.6	Pass
pds-api#240	API Client cannot connect to current deployed API	API.7	Pass
pds-api#199	hits appears to be showing the current page count, not the overall number of its	API.8	Pass
pds-api#214	vnd.nasa.pds.pds4+json format does return information	API.9	Pass
pds4-jparser#57	Parse failure for table fields of type ASCII_Numeric_Base16	JPAR.1	Pass
portal-tasks#54	Possible XSS vulnerability on data set view pages	PORT.1	Pass
portal-tasks#47	[SECURITY] JQuery upgrade needed to avoid possible injection	PORT.2	Pass
portal-tasks#31	Data release manager pages missing login session check	PORT.3	Pass
portal-tasks#8	URL Encoding errors from Subscription Service pages	PORT.4	Pass
portal-tasks#55	dataset status needs to be updated to better handle potential security vulnerability	PORT.5	Pass
portal-tasks#49	Update DataSet View to display DOI from label if there is no DOI for the product in our database	PORT.6	Pass
portal-tasks#69	Freedom of Information Act link is sending users to an Access Denied page.	PORT.7	Pass
registry#136	follow on to #118, registry-manager still unable to change archive status on bundle contents	REG.2	Pass
registry#118	archive status value was not changed on bundle's contents	REG.3	Pass

registry#97	registry-manager won't set archive-status on some collections	REG.4	Pass
registry#146	OpenSearch service of Registry won't start on Linux	REG.5	Pass
registry#159	ref_collection_lidvid field in some node registries populated using older versions of registry loader tools create string fields in the schema vs. the expected list types	REG.6	Pass
registry#150	TLS termination listening on wrong port	REG.7	Pass
registry-api#224	registry-api does not return latest version of product metadata when multiple versions are harvested	REG_API.1	Pass
registry-api#190	/all suffix returns a message which I don't understand	REG_API.2	Pass
registry-api#241	requests with bad q= syntax should return 400 error	REG_API.3	Pass
registry-api#240	Pagination not working as expected with /collections/{identifier}/products	REG-API.4	Pass
registry-api#202	observational end-point returns collections	REG_API.5	Pass
registry-api#234	registry-api does not respect VID when a LIDVID is used as an id, instead returns latest version	REG_API.6	Pass
registry-api#231	/classes/collections/<lidvid>/members (and deprecated equivalent) hangs	REG_API.7	Pass
registry-api#196	documents / members returns an error	REG_API.8	Pass
registry-api#260	api does not return 400 error when q parameter value cannot be parsed	REG_API.9	Pass

registry-api#227	Keyword search does not work on registry-api deployed on ² pds.nasa.gov	REG_API.10	Pass
registry-api#207	idvid not found raises 500 error	REG_API.11	Pass
registry-api#121	Fix vulnerabilities raised by sonalift	REG_API.12	Pass
registry-api#206	When q="" the returned status is 500 instead of 400	REG_API.13	Pass
registry-api#211	swagger ui error in production	REG_API.14	Pass
registry-api#200	/classes endpoint does not work in a browser	REG_API.15	Pass
registry-api#258	not found lidvid does not return 404 error	REG_API.16	Pass
registry-api#261	The members of a bundle can not be requested	REG_API.17	Pass
registry-api#191	version number are treated as floats	REG_API.23	Pass
registry-api#287	Search criteria not producing expected matches	REG_API.24	Pass
registry-api#148	<i>Critical OSS Vulnerability:</i> ³ spring-web@5.3.20	REG_API.25	Pass
registry-common#31	Registry manager fails with updates to LDDTool to support ISO Formatted dates	REG_COM.1	Pass
registry-common#32	JSON BLOB performs undesirable conversion of floating-point types with int-like values	REG_COM.2	Pass
registry-harvest-service#25	Harvest service sometimes skips collection inventory files	REG_HAR.1	Pass
registry-mgr#57	ref_lid_collection error when ingesting data sets	REG_MGR.1	Pass

² <http://pds.nasa.gov>

³ <mailto:spring-web@5.3.20>

pds4-information-model#618	Information Model does not have Product_External included in Identification_Area.product_class	IM.1	Pass
validate#425	Refactor content validation to more robustly handle intermingled Headers	VAL.1	Pass
validate#480	Validate does not calculate overlaps correctly when Header is not first object in file	VAL.2	Pass
validate#1	As a user, I want to execute content validation against every nth file	VAL.3	Pass
validate#556	As a user, I want to be able to use validate from a docker container	VAL.4	Pass
validate#444	pds4.bundle option seems to not travel through enough subdirectories	VAL.5	Pass
validate#453	Validate should not check PDF/A validity if content validation is disabled	VAL.6	Pass
validate#474	Validate can't find files in directory specified by <directory_path_name>	VAL.7	Pass
validate#499	validate doesn't flag a data file with only LF	VAL.8	Pass
validate#503	validate passes confusing message to the command window	VAL.9	Pass
validate#511	Table_Character not accurately checking field formats	VAL.10	Pass
validate#514	Validate does not catch NaNs in Binary Tables	VAL.11	Pass
validate#519	Validate should throw record length error when record delimiter does not occur in correct location	VAL.12	Pass

validate#529	ERROR [error.array.value_out_of_min_max_range] evaluation is not correct	VAL.13	Pass
validate#531	ERROR [error.table.bad_file_read] incorrectly reports that GroupFieldBinary group_length is larger than size of contained fields	VAL.14	Pass
validate#544	validate gives a error.table.bad_field_read error	VAL.15	Pass
validate#554	-spot-check-data flag throws IOException	VAL.16	Pass
validate#564	Array object validation regression in v3.0.3	VAL.17	Pass
validate#576	validate does not correctly handle field format checks for hex values	VAL.18	Pass
validate#551	Validate fails regression test on issue 188	VAL.19	Pass
validate#593	Regression in validate no longer enabling CRLF to be embedded within a Table_Character record	VAL.20	Pass
validate#473	NullPointerException when Table_Delimited is missing records attribute	VAL.21	Pass
validate#155	Fix uncaught exception error when validating an array object	VAL.22	Pass

7 7. Sustaining Activities

None.

8 8. Other

None.

9 9. Documentation

Architecture Description	https://pds-engineering.jpl.nasa.gov/sites/default/files/documents/pds2010/architecture/system_architecture/pds4_system_arch_spec.pdf	Complete
Design Specification	See various design docs in: https://pds-engineering.jpl.nasa.gov/content/key-documents	Complete
Management Plan	⁴ https://pds-engineering.jpl.nasa.gov/sites/default/files/documents/pds2010/keydocuments/PDS-SMP.pdf	Complete
Operation Concept	https://pds-engineering.jpl.nasa.gov/sites/default/files/documents/pds2010/keydocuments/pds4-ops-concept.pdf	Complete
Release Description	https://nasa-pds.github.io/releases/13.1/rdd.html	Complete
Release Plan	https://nasa-pds.github.io/releases/13.1/plan.html	Complete
Requirements	https://pds-engineering.jpl.nasa.gov/sites/default/files/documents/pds2010/design/system_design/pds4_system_reqs.pdf	Complete
Task Implementation Plan	https://pds-engineering.jpl.nasa.gov/sites/default/files/documents/pds2010/pds4-proj-plan-07172013.pdf	Complete
Test Plan	https://pds-engineering.jpl.nasa.gov/content/build_13.1_it_deliverables	Complete
Test Report	https://pds-engineering.jpl.nasa.gov/content/build_13.1_it_deliverables	Complete
User Guide	See individual tool documentation. Links in ⁵ RDD	Complete

⁴ <https://pds-engineering.jpl.nasa.gov/sites/default/files/documents/pds2010/keydocuments/PDS-SMP.pdf>

⁵ <https://nasa-pds.github.io/releases/13.1/rdd.html>

10 10. Additional Testing

None.

11 11. Test Case Explanations

JIRA ID	RLI Type	Title	Test ID	Test Result	Explanation
doi-ui#130	Defect	Remove vulnerabilities from the package per npm audit	DOI-UI.1	Fail	31 vulnerabilities (1 low, 1 moderate, 20 high, 9 critical)

12 12. Software Status

Code size and growth since previous build in number of lines.

Repository	Code size	Growth / B13.0
archive-viewer	8400	0.13%
data-upload-m	1421	N/A
deep-archive	17642	0.35%
doi-service	18042	0.80%
doi-ui	57396	0.07%
feedback-widge	1231	N/A
harvest	4177	1.75%
mi-label	10907	0.00%
nucleus	549	297.83%
pds-api	10582	21.16%
pds-api-client	561	-72.16%
pds-api-service	687	0.00%
pds-view	7705	0.00%
pds4-informati	1658104	11.01%
pds4-jparser	169644	0.06%
PLAID	1035157	0.00%
registry	13944	8.27%
registry-api	12174	-12.39%
registry-comm	6433	-30.17%
registry-crawle	2884	-54.92%
registry-dashbo	583	-79.86%
registry-harves	2461	-0.20%
registry-harves	3594	-0.44%
registry-loader	791	-1.86%
registry-mgr	3896	0.72%
supplementer	2621	0.00%
tracking-service	13383	0.00%
tracking-ui	60401	0.00%
transform	11434	0.00%
validate	233954	20.26%
wds-react	99673	44.04%

All the PDS Engineering Node software are managed (code, documentations, tickets) under github, in a single organization:

CM Tool	CM Repository
github	https://github.com/nasa-pds

The list of the components/version released for build 13.1 can be found in the ⁶[software release catalog](#).

⁶ <https://nasa-pds.github.io/releases/13.1/index.html>

13 13. Open Defect Summary

Rating	Definition	Previous Release	Current Release
Critical	Defect makes the SW unusable for mission operations. Major functions do not work or fail over the course of normal operations.	0	0
Major	Defect has significant impact on usability of delivered software for mission operations. User experience is difficult and/or cumbersome. Workaround available is arduous.	3	1
Moderate	Defect has moderate to mild impact on usability of delivered software for mission operations. User experience is degraded but workable.	5	4
Minor	Defect means software does not work as originally intended, but the defect has little impact on the usability of the delivered software.	2	2

Major open bug is:

⁷[NASA-PDS/registry-api#288](https://github.com/NASA-PDS/registry-api/issues/288) SBN PSI data sets ingested with past version of tools and fields are not searchable

⁷ <https://github.com/NASA-PDS/registry-api/issues/288>

14 14. Action Item Status

1. ⁸[MGSSAITS-1204](https://jira.jpl.nasa.gov/browse/MGSSAITS-1204) Setup Meeting to determine official PDMS document repository - Closure pending.
2. ⁹[MGSSAITS-1205](https://jira.jpl.nasa.gov/browse/MGSSAITS-1205) Meet wi Mike Pajevski to discuss Semmle scans on java script - Closure pending.
3. ¹⁰[MGSSAITS-1206](https://jira.jpl.nasa.gov/browse/MGSSAITS-1206) PDS should follow MGSS standard for reporting defects at a DDR - Closure pending.

⁸ <https://jira.jpl.nasa.gov/browse/MGSSAITS-1204>

⁹ <https://jira.jpl.nasa.gov/browse/MGSSAITS-1205>

¹⁰ <https://jira.jpl.nasa.gov/browse/MGSSAITS-1206>

15 15. Deviations

See ¹¹[validated deviation from the plan.](#)

¹¹ <https://github.com/NASA-PDS/pds-swg/issues?q=label%3AB13.1+label%3Achange-request+>