# Release Notes

**PD4 Information Model Version 1.8.0.0**

**Build 7b Release**

March 30, 2017

These notes detail the changes made to the PDS4 Information Model and contained in Release 1.8.0.0. These changes include those approved by the CCB since Version 1.7.0.0 and bug fixes since Version 1.7.0.0. The released documents include:

1. index_1800.html – Information Model Specification
2. PDS4_PDS_1800.xsd – Common Schema
3. PDS4_PDS_1800.sch – Common Schematron
4. PDS4_PDS_1800.xml – Label for Common Schema and Schematron
5. PDS4_PDS_DD_1800.html – Data Dictionary (html)
6. PDS4_PDS_DD_1800.pdf – Data Dictionary (pdf)
7. PDS4_PDS_JSON_1800.JSON – Information Model (JSON)
8. PDS4_PDS_OWL_1800.rdf – Information Model (OWL-DL)
9. PDS4_DISP_1800.xsd – Display LDD Schema
10. PDS4_DISP_1800.sch – Display LDD Schematron
11. PDS4_DISP_1800.xml – Label for Display Schema and Schematron

**CCB approved changes made since the release of Version 1.7.0.0**

1. CCB-171 - Split hardware-compatible ASCII numeric types from the unbounded

**Bug Fixes**

1. SIP_Deep_Archive - steward:NSSDCA - The values and value meanings for <SIP_Deep_Archive.provider_site_id> were added.
2. SIP_Deep_Archive - steward:NSSDCA - The  value "MD5Deep 4.n" and its value meaning for <Information_Package_Component_Deep_Archive.checksum_type>, was added.
3. SIP_Deep_Archive - steward:NSSDCA - Added schematron rule to Product_SIP_Deep_Archive to validate that both Internal_Reference and lidvid_reference are required.

4. Property Maps – The attributes property_map_type and property_map_subtype were moved from pdroperty_maps to property_map_entry.
5. JSON File – Added Association to provide link (generalization) for a SuperClass.
   a. Added assocType {attribute_of, component_of, parent_of}