

| Namespace Id (1) | Name                        | Description   | Directory Namespace Id (2) | Schema Namespace  | Namespace Prefix (3) | Logical Identifier Profile | Schema File Name Prefix (4) | Governance Level | Registration Authority | Steward Name  | Steward Id  | Steward Lead (5) | Contact                          | Contact Email Address  | Overnight (5) | Registration Date | Name of Provider   | Dictionary Exists | Registered in PDS | Registration Date in PSA |
|------------------|-----------------------------|---|----------------------------|---|----------------------|----------------------------|-----------------------------|------------------|------------------------|---|-------------|------------------|----------------------------------|--|---------------|-------------------|--------------------|-------------------|-------------------|--------------------------|
| Common           |                             |   |                            |   |                      |                            |                             |                  |                        |   |             |                  |                                  |  |               |                   |                    |                   |                   |                          |
| pds              |                             | Namespace for the PDS's common dictionary.  | pds                        | <a href="http://pds.nasa.gov/pds4/pds/v1">http://pds.nasa.gov/pds4/pds/v1</a>                           | pds                  | urn:nasa:pds:              | PDS4_PDS                    | Common           | 0001_NASA_PDS_1        | Planetary Data System   | pds         | PDS EN Node      | Steve Hughes                     | <a href="mailto:Steve.Hughes@jpl.nasa.gov">Steve.Hughes@jpl.nasa.gov</a>                                       | CCB           | 2012-04-03        | S. Hughes          | Yes               | Yes               |                          |
| International    |                             |   |                            |   |                      |                            |                             |                  |                        |   |             |                  |                                  |  |               |                   |                    |                   |                   |                          |
| darts            |                             | Namespace for the DARTS (JAXA) dictionary.  | darts                      | <a href="http://darts.isas.jaxa.jp/pds4/">http://darts.isas.jaxa.jp/pds4/</a>                           | darts                | urn:jaxa:darts:            | PDS4_DARTS                  | Discipline       | 0001_JAXA_DARTS_1      | Data Archive and Transmission Section, Indian Space Science Data Centre | darts       | DARTS (JAXA)     | Yukio Yamamoto                   | <a href="mailto:yamamoto.yukio@jaxa.jp">yamamoto.yukio@jaxa.jp</a>   |               | 2017-03-17        | S. Hughes          | Yes               | Yes               |                          |
| isda             |                             | Namespace for the ISRO dictionary.  | isda                       | TBD   | isda                 | urn:isro:isda:             | PDS4_ISDA                   | Discipline       | 0001_ISRO_ISDA_1       |   | isda        | ISRO             | B N Ramakrishna                  | <a href="mailto:ramki@isro.gov.in">ramki@isro.gov.in</a>   |               | 2017-07-06        | Ajay Kumar Prashar | Yes               | Yes               |                          |
| isa              |                             | Namespace for ESA-ESA's dictionary.   | isa                        | <a href="http://isa.esa.int/pds/v1">http://isa.esa.int/pds/v1</a>                                       | isa                  | urn:esa:isa:               | PDS4_ISA                    | Discipline       | 0001_ESA_ISA_1         | Planetary Science Archive   | isa         | ESA ISA          | Tamara Lim                       | <a href="mailto:lim@scispa.esa.int">lim@scispa.esa.int</a>   |               | 2015-09-30        | S. Martinez        | Yes               | Yes               | 9/30/2015                |
| risa             |                             | Namespace for the RSSA (IRI) dictionary.  | risa                       | TBD   | risa                 | urn:ros:risa:              | PDS4_RSSA                   | Discipline       | 0001_ROS_RSSA_1        | Russian Space Agency  | risa        | RSSA (IRI)       | Oleg Batanov                     | <a href="mailto:obati@romance.ili.rsa.ru">obati@romance.ili.rsa.ru</a>   |               | 2017-03-17        | S. Hughes          | Yes               | Yes               |                          |
| epn              |                             | Namespace for the VESPA EPN dictionary.   | epn                        | <a href="https://vespa.ris.abdn.ac.uk/pds4/epn/v1">https://vespa.ris.abdn.ac.uk/pds4/epn/v1</a>         | epn                  | urn:vespa:epn:             | VESPA_EPN                   | Discipline       | 0001_VESPA_EPN_1       | Virtual European Solar and Planetary Access                             | epn         | VESPA            | Baptiste Ceconi                  | <a href="mailto:baptiste.ceconi@observatoiredeparis.psl.eu">baptiste.ceconi@observatoiredeparis.psl.eu</a>     |               | 2020-10-28        | S. Hughes          | Yes               | Yes               |                          |
| Discipline       |                             |   |                            |   |                      |                            |                             |                  |                        |   |             |                  |                                  |  |               |                   |                    |                   |                   |                          |
| alt              | Alternate                   | Namespace for the PPI Node's Alternate dictionary.  | alt                        | <a href="http://pds.nasa.gov/pds4/alt/v1">http://pds.nasa.gov/pds4/alt/v1</a>                           | alt                  | urn:nasa:pds:              | PDS4_ALT                    | Discipline       | 0001_NASA_PDS_1        | Planetary Plasma Interactions   | ppi         | PDS PPI Node     | Joseph Mafi                      | <a href="mailto:jmafi@ippg.ucd.edu">jmafi@ippg.ucd.edu</a>   |               | 2015-04-24        | T. King            | Yes               | Yes               |                          |
| atm              | Atmosphere's Node           | Namespace for the Atmospheres node's dictionary.  | atm                        | <a href="http://pds.nasa.gov/pds4/atm/v1">http://pds.nasa.gov/pds4/atm/v1</a>                           | atm                  | urn:nasa:pds:              | PDS4_ATM                    | Discipline       | 0001_NASA_PDS_1        | Atmospheres   | atm         | PDS ATM Node     | Lyle Huber                       | <a href="mailto:lhuber@nmsu.edu">lhuber@nmsu.edu</a>   |               | 2012-04-03        | S. Hughes          | Yes               | Yes               |                          |
| cart             | Cartography                 | The Cartography Dictionary contains classes, elements, attributes, and rules describing map projections, including both cartographic and lander related definitions and descriptions. The PDS Cartography dictionary is based on and utilizes the existing Federal Geographic Data Committee (FGDC) Content Standard for Digital Geospatial Metadata, with modifications and extensions applied by PDS as needed for planetary mapping application. | cart                       | <a href="http://pds.nasa.gov/pds4/cart/v1">http://pds.nasa.gov/pds4/cart/v1</a>                         | cart                 | urn:nasa:pds:              | PDS4_CART                   | Discipline       | 0001_NASA_PDS_1        | Cartography   | img         | PDS IMG Node     | Trent Hare                       | <a href="mailto:thare@uigs.gov">thare@uigs.gov</a>   |               | 2015-10-22        | C. Isbell          | Yes               | Yes               |                          |
|                  |                             |   |                            |   |                      |                            |                             |                  |                        |   |             |                  |                                  |  |               |                   |                    |                   |                   |                          |
| ctl              | Common Type List Instrument | The CTLI dictionary provides a set of type values for instruments for use in instrument contact products.   | ctl                        | <a href="http://pds.nasa.gov/pds4/ctl/v1">http://pds.nasa.gov/pds4/ctl/v1</a>                           | ctl                  | urn:nasa:pds:              | PDS4_CTLI                   | Discipline       | 0001_NASA_PDS_1        | CTLI  | atm         | PDS ATM Node     | Lyle Huber                       | <a href="mailto:lhuber@nmsu.edu">lhuber@nmsu.edu</a>   |               | 2021-05-13        | Lyle Huber         | Yes               | Yes               |                          |
| disp             | Display                     | The Display Dictionary contains classes, attributes, and rules for specifying how arrays (images) as stored, should be displayed to users. For example, defining the vertical display direction 'Bottom to Top' or horizontal direction 'Left to Right' and it can provide guidance on mapping multidimensional arrays for color display (red, green, and blue) or as a movie sequence (video).   | disp                       | <a href="http://pds.nasa.gov/pds4/disp/v1">http://pds.nasa.gov/pds4/disp/v1</a>                         | disp                 | urn:nasa:pds:              | PDS4_DISP                   | Discipline       | 0001_NASA_PDS_1        | Display   | img         | PDS IMG Node     | Trent Hare                       | <a href="mailto:thare@uigs.gov">thare@uigs.gov</a>   |               | 2013-06-20        | M. Gordon          | Yes               | Yes               |                          |
|                  |                             |   |                            |   |                      |                            |                             |                  |                        |   |             |                  |                                  |  |               |                   |                    |                   |                   |                          |
| ebt              | Earth-Based Telescope       | This namespace will provide observing parameters, provenance, and geometry relevant to ground-based telescopes on Earth and for Earth-orbiting (or Lagrange point) telescopes   | ebt                        | <a href="http://pds.nasa.gov/pds4/ebt/v1">http://pds.nasa.gov/pds4/ebt/v1</a>                           | ebt                  | urn:nasa:pds:              | PDS4_EBT                    | Discipline       | 0001_NASA_PDS_1        | Small Bodies  | sbn         | PDS SBN          | Ben Hirsch                       | <a href="mailto:bhirsch1@umd.edu">bhirsch1@umd.edu</a>   |               | 2021-07-21        | B. Hirsch          | Yes               | Yes               |                          |
|                  |                             |   |                            |   |                      |                            |                             |                  |                        |   |             |                  |                                  |  |               |                   |                    |                   |                   |                          |
| geom             | Geometry                    | The Geometry Dictionary contains classes, attributes, and rules for specifying the geometry parameters associated with science observations.  | geom                       | <a href="http://pds.nasa.gov/pds4/geom/v1">http://pds.nasa.gov/pds4/geom/v1</a>                         | geom                 | urn:nasa:pds:              | PDS4_GEOM                   | Discipline       | 0001_NASA_PDS_1        | Geometry  | geo         | PDS GEO Node     | Edward Guinness, Mitchell Gordon | <a href="mailto:guinness@wunder.wustl.edu, mgordon@stsci.org">guinness@wunder.wustl.edu, mgordon@stsci.org</a> |               | 2015-04-30        | M. Gordon          | Yes               | Yes               |                          |
| img              | Imaging                     | The Imaging Dictionary contains classes, attributes, and rules for specifying the metadata associated with imaging and spectrometer data products.  | img                        | <a href="http://pds.nasa.gov/pds4/img/v1">http://pds.nasa.gov/pds4/img/v1</a>                           | img                  | urn:nasa:pds:              | PDS4_IMG                    | Discipline       | 0001_NASA_PDS_1        | Imaging   | img         | PDS IMG Node     | Trent Hare                       | <a href="mailto:thare@uigs.gov">thare@uigs.gov</a>   |               | 2012-04-03        | S. Lavie           | Yes               | Yes               |                          |
| img_surface      | Surface Imaging             | The Surface Imaging Dictionary contains classes, attributes, and rules for specifying the metadata associated with imaging and spectrometer data products of surface missions.  | img_surface                | <a href="http://pds.nasa.gov/pds4/img_surface/v1">http://pds.nasa.gov/pds4/img_surface/v1</a>           | img_surface          | urn:nasa:pds:              | PDS4_IMG_SURFACE            | Discipline       | 0001_NASA_PDS_1        | Imaging Surface   | img_surface | PDS IMG Node     | Trent Hare                       | <a href="mailto:thare@uigs.gov">thare@uigs.gov</a>   |               | 2019-09-26        | C. De Cesare       | Yes               | Yes               |                          |
| ml               | Machine Learning Classifier | Machine Learning Classifier Discipline Local Data Dictionary  | ml                         | <a href="http://pds.nasa.gov/pds4/mission/ml/v1">http://pds.nasa.gov/pds4/mission/ml/v1</a>             | ml                   | urn:nasa:pds:              | PDS4_ML                     | Discipline       | 0001_NASA_PDS_1        | Machine Learning  | img         | PDS IMG Node     | Mike McAuley                     | <a href="mailto:Michael.McAuley@jpl.nasa.gov">Michael.McAuley@jpl.nasa.gov</a>                                 |               | 2021-05-17        | M. McAuley         | Yes               | Yes               |                          |
| msn              | Mission Information Commons | The sub-directory for the Mission Information class namespace.  | msn                        | <a href="http://pds.nasa.gov/pds4/mission/msn/v1">http://pds.nasa.gov/pds4/mission/msn/v1</a>           | msn                  | urn:nasa:pds:              | PDS4_MSN                    | Discipline       | 0001_NASA_PDS_1        | Generic Mission   | img         | PDS IMG Node     | Trent Hare                       | <a href="mailto:thare@uigs.gov">thare@uigs.gov</a>   |               | 2016-10-07        | S. Hughes          | Yes               | Yes               |                          |
| msn_surface      | Surface Mission Information | The Surface Mission Dictionary contains classes, attributes, and rules for specifying metadata elements which are specific to the data products of surface missions but are common among multiple such missions.  | msn_surface                | <a href="http://pds.nasa.gov/pds4/msn_surface/v1">http://pds.nasa.gov/pds4/msn_surface/v1</a>           | msn_surface          | urn:nasa:pds:              | PDS4_MSN_SURFACE            | Discipline       | 0001_NASA_PDS_1        | Mission Surface   | msn_surface | PDS IMG Node     | Trent Hare                       | <a href="mailto:thare@uigs.gov">thare@uigs.gov</a>   |               | 2019-09-26        | C. De Cesare       | Yes               | Yes               |                          |
| multi            | Multidimensional            | The Multi dictionary contains classes that describe the composition of multidimensional data consisting of Array (and Array subtypes) data objects. It provides a way to associated data objects and align the objects in general multi-dimensional structures.   | multi                      | <a href="http://pds.nasa.gov/pds4/multi/v1">http://pds.nasa.gov/pds4/multi/v1</a>                       | multi                | urn:nasa:pds:              | PDS4_MULTI                  | Discipline       | 0001_NASA_PDS_1        | Planetary Plasma Interactions   | ppi         | PDS PPI Node     | Joseph Mafi                      | <a href="mailto:jmafi@ippg.ucd.edu">jmafi@ippg.ucd.edu</a>   |               | 2021-03-02        | J. Mafi            | Yes               | Yes               |                          |
| nucspec          | Nuclear Spectroscopy        | The Nuclear Spectroscopy dictionary provides classes, attributes, and rules for describing the circumstances surrounding nuclear spectroscopy observations.   | nucspec                    | <a href="http://pds.nasa.gov/pds4/nucspec/v1">http://pds.nasa.gov/pds4/nucspec/v1</a>                   | nucspec              | urn:nasa:pds:              | PDS4_NUCSPEC                | Discipline       | 0001_NASA_PDS_1        | nucspec   | nucspec     | PDS SBN/PSI      | Jesse Stone                      | <a href="mailto:jstone@psi.edu">jstone@psi.edu</a>   |               | 2020-10-06        | Jesse Stone        | Yes               | Yes               |                          |
| particle         | Particle                    | The Particle dictionary contains classes that describe the composition of multi-dimensional particle data consisting of Array (and Array subtypes) data objects.  | particle                   | <a href="http://pds.nasa.gov/pds4/particle/v1">http://pds.nasa.gov/pds4/particle/v1</a>                 | particle             | urn:nasa:pds:              | PDS4_PARTICLE               | Discipline       | 0001_NASA_PDS_1        | Planetary Plasma Interactions   | ppi         | PDS PPI Node     | Joseph Mafi                      | <a href="mailto:jmafi@ippg.ucd.edu">jmafi@ippg.ucd.edu</a>   |               | 2015-04-24        | T. King            | Yes               | Yes               |                          |
| pds              | PDS Operations              | Namespace for the Operations dictionary.  | pds                        | <a href="http://pds.nasa.gov/pds4/pds/v1">http://pds.nasa.gov/pds4/pds/v1</a>                           | pds                  | urn:nasa:pds:              | PDS4_PDS                    | Discipline       | 0001_NASA_PDS_1        | Operations  | ops         | PDS EN Node      | Steve Hughes                     | <a href="mailto:Steve.Hughes@jpl.nasa.gov">Steve.Hughes@jpl.nasa.gov</a>                                       |               | 2012-04-03        | S. Hughes          | Yes               | Yes               |                          |
| ppi              |                             | Namespace for the PPI node's dictionary.  | ppi                        | <a href="http://pds.nasa.gov/pds4/ppi/v1">http://pds.nasa.gov/pds4/ppi/v1</a>                           | ppi                  | urn:nasa:pds:              | PDS4_PPI                    | Discipline       | 0001_NASA_PDS_1        | Planetary Plasma Interactions   | ppi         | PDS PPI Node     | Joseph Mafi                      | <a href="mailto:jmafi@ippg.ucd.edu">jmafi@ippg.ucd.edu</a>   |               | 2012-04-03        | S. Hughes          | Yes               | Yes               |                          |
| proc             | Processing Information      | The Processing Information Dictionary contains detailed information regarding the history of processing performed on data products (in order to produce the current product).   | proc                       | <a href="http://pds.nasa.gov/pds4/proc/v1">http://pds.nasa.gov/pds4/proc/v1</a>                         | proc                 | urn:nasa:pds:              | PDS4_PROC                   | Discipline       | 0001_NASA_PDS_1        | Processing History  | proc        | PDS IMG Node     | Trent Hare                       | <a href="mailto:thare@uigs.gov">thare@uigs.gov</a>   |               | 2019-09-26        | C. De Cesare       | Yes               | Yes               |                          |
| rings            | Rings                       | The Rings Dictionary contains classes supporting planetary ring observations including ring specific geometric parameters.  | rings                      | <a href="http://pds.nasa.gov/pds4/rings/v1">http://pds.nasa.gov/pds4/rings/v1</a>                       | rings                | urn:nasa:pds:              | PDS4_RINGS                  | Discipline       | 0001_NASA_PDS_1        | Ring-Moon Systems   | rings       | PDS Rings Node   | Mitchel Gordon                   | <a href="mailto:mgordon@seti.org">mgordon@seti.org</a>   |               | 2012-04-03        | M. Gordon          | Yes               | Yes               |                          |
| sbn              | Small Bodies Node           | Namespace for the Small Bodies Node's dictionary.   | sbn                        | <a href="http://pds.nasa.gov/pds4/sbn/v1">http://pds.nasa.gov/pds4/sbn/v1</a>                           | sbn                  | urn:nasa:pds:              | PDS4_SBN                    | Discipline       | 0001_NASA_PDS_1        | Small Bodies  | sbn         | PDS SBN          | Anne Raugh                       | <a href="mailto:araugh@umd.edu">araugh@umd.edu</a>   |               | 2012-04-03        | S. Hughes          | Yes               | Yes               |                          |
| sp               | Spectral                    | The Spectral (sp) Discipline Dictionary contains classes for defining the spectral bin characteristics (in wavelength, frequency, or wave number) of a data product.  | sp                         | <a href="http://pds.nasa.gov/pds4/sp/v1">http://pds.nasa.gov/pds4/sp/v1</a>                             | sp                   | urn:nasa:pds:              | PDS4_SP                     | Discipline       | 0001_NASA_PDS_1        | Spectral  | sbn         | PDS SBN          | Anne Raugh                       | <a href="mailto:araugh@umd.edu">araugh@umd.edu</a>   |               | 2013-11-11        | A. Raugh           | Yes               | Yes               |                          |
| spectib          | Spectral Library            | The Spectral Library Data Dictionary defines the metadata terms that describe laboratory spectral measurements, including classification of the samples measured.   | spectib                    | <a href="http://pds.nasa.gov/pds4/spectib/v1">http://pds.nasa.gov/pds4/spectib/v1</a>                   | spectib              | urn:nasa:pds:              | PDS4_SPECTIB                | Discipline       | 0001_NASA_PDS_1        | Spectral Library  | spectib     | PDS GEO Node     | Susie Slawney                    | <a href="mailto:slawney@wunder.wustl.edu">slawney@wunder.wustl.edu</a>   |               | 2017-05-15        | S. Slawney         | Yes               | Yes               |                          |
| survey           | Survey                      | The Survey dictionary provides classes, attributes, and rules for describing the circumstances surrounding sky survey observations.   | survey                     | <a href="http://pds.nasa.gov/pds4/survey/v1">http://pds.nasa.gov/pds4/survey/v1</a>                     | survey               | urn:nasa:pds:              | PDS4_SURVEY                 | Discipline       | 0001_NASA_PDS_1        | Survey  | survey      | PDS SBN/PSI      | Jesse Stone                      | <a href="mailto:jstone@psi.edu">jstone@psi.edu</a>   |               | 2020-10-06        | Jesse Stone        | Yes               | Yes               |                          |
| wave             | Wave                        | The Wave dictionary contains classes that describe the composition of multidimensional wave data consisting of Array (and Array subtypes) data objects.   | wave                       | <a href="http://pds.nasa.gov/pds4/wave/v1">http://pds.nasa.gov/pds4/wave/v1</a>                         | wave                 | urn:nasa:pds:              | PDS4_WAVE                   | Discipline       | 0001_NASA_PDS_1        | Planetary Plasma Interactions   | ppi         | PDS PPI Node     | Joseph Mafi                      | <a href="mailto:jmafi@ippg.ucd.edu">jmafi@ippg.ucd.edu</a>   |               | 2015-04-24        | T. King            | Yes               | Yes               |                          |
| Mission          |                             |   |                            |   |                      |                            |                             |                  |                        |   |             |                  |                                  |  |               |                   |                    |                   |                   |                          |
| bopp             |                             | Namespace for the BOPPS dictionary.   | mission/bopp               | <a href="http://pds.nasa.gov/pds4/mission/bopp/v1">http://pds.nasa.gov/pds4/mission/bopp/v1</a>         | bopp                 | urn:nasa:pds:              | BOPPS                       | Mission          | 0001_NASA_PDS_1        | BOPPS   | sbn         | PDS SBN          | Anne Raugh                       | <a href="mailto:araugh@umd.edu">araugh@umd.edu</a>   |               | 2015-03-26        | A. Raugh           | Yes               | Yes               |                          |
| clementine       | Clementine                  | The Clementine mission dictionary contains a class with attributes specific to the Deep Space Program Science Experiment, including the Clementine orbiter and its instruments. This dictionary was created for the migration of Clementine data products from PDS3 to PDS4 by Million Concepts (contact M. St. Clair).   | clementine                 | <a href="http://pds.nasa.gov/pds4/clementine/v1">http://pds.nasa.gov/pds4/clementine/v1</a>             | clementine           | urn:nasa:pds:              | PDS4_CLEMENTINE             | Mission          | 0001_NASA_PDS_1        | Imaging   | img         | PDS IMG Node     | Trent Hare                       | <a href="mailto:thare@uigs.gov">thare@uigs.gov</a>   |               | 2011-05-11        | Trent Hare         | Yes               | Yes               |                          |
| clipper          | Clipper                     | The Europa Clipper mission dictionary contains classes that describe aspects of the Clipper mission and related instruments.  | clipper                    | <a href="http://pds.nasa.gov/pds4/clipper/v1">http://pds.nasa.gov/pds4/clipper/v1</a>                   | clipper              | urn:nasa:pds:              | PDS4_CLIPPER                | Mission          | 0001_NASA_PDS_1        | Imaging   | img         | PDS IMG Node     | Trent Hare                       | <a href="mailto:thare@uigs.gov">thare@uigs.gov</a>   |               | 2021-07-08        | Trent Hare         | Yes               | Yes               |                          |
|                  |                             |   |                            |   |                      |                            |                             |                  |                        |   |             |                  |                                  |  |               |                   |                    |                   |                   |                          |
| hyb2             |                             | This is the Hayabusa2 Mission Specific Data Dictionary.   | mission/hyb2               | <a href="http://darts.isas.jaxa.jp/pds4/">http://darts.isas.jaxa.jp/pds4/</a>                           | hyb2                 | urn:jaxa:darts:            | PDS4_HYB2                   | Mission          | 0001_JAXA_DARTS_1      | Hayabusa2   | darts       | PDS SBN/PSI      | Yukio Yamamoto                   | <a href="mailto:yamamoto.yukio@jaxa.jp">yamamoto.yukio@jaxa.jp</a>   |               | 2020-12-28        | Y. Yamamoto        | Yes               | Yes               |                          |
| insight          |                             | Namespace for the Insight dictionary.   | mission/insight            | <a href="http://pds.nasa.gov/pds4/mission/insight/v1">http://pds.nasa.gov/pds4/mission/insight/v1</a>   | insight              | urn:nasa:pds:              | PDS4_INSIGHT                | Mission          | 0001_NASA_PDS_1        | Insight   | geo         | PDS GEO Node     | Susie Slawney                    | <a href="mailto:slawney@wunder.wustl.edu">slawney@wunder.wustl.edu</a>   |               | 2015-04-25        | S. Slawney         | Yes               | Yes               |                          |
| labeled          |                             | Namespace for the LADEE dictionary.   | mission/labeled            | <a href="http://pds.nasa.gov/pds4/mission/labeled/v1">http://pds.nasa.gov/pds4/mission/labeled/v1</a>   | labeled              | urn:nasa:pds:              | LADEE                       | Mission          | 0001_NASA_PDS_1        | LADEE   | atm         | PDS ATM Node     | Lyle Huber                       | <a href="mailto:lhuber@nmsu.edu">lhuber@nmsu.edu</a>   |               | 2014-07-17        | L. Huber           | Yes               | Yes               |                          |
| labeled          |                             | Namespace for the LADEE dictionary.   | mission/labeled            | <a href="http://pds.nasa.gov/pds4/mission/labeled/v1">http://pds.nasa.gov/pds4/mission/labeled/v1</a>   | labeled              | urn:nasa:pds:              | LADEE                       | Mission          | 0001_NASA_PDS_1        | LADEE   | atm         | PDS ATM Node     | Lyle Huber                       | <a href="mailto:lhuber@nmsu.edu">lhuber@nmsu.edu</a>   |               | 2014-07-17        | L. Huber           | Yes               | Yes               |                          |
| mars2020         | Mars2020 Mission            | Namespace for the Mars2020 Mission Local Data Dictionary  | mission/mars2020           | <a href="http://pds.nasa.gov/pds4/mission/mars2020/v1">http://pds.nasa.gov/pds4/mission/mars2020/v1</a> | mars2020             | urn:nasa:pds:              | PDS4_MARS2020               | Mission          | 0001_NASA_PDS_1        | Mars 2020   | geo         | PDS Geo Node     | Susie Slawney                    | <a href="mailto:slawney@wunder.wustl.edu">slawney@wunder.wustl.edu</a>   |               | 2021-05-17        | S. Slawney         | Yes               | Yes               |                          |
| mer              |                             | Namespace for the Mars Exploration Rover's dictionary.  | mission/mer                | <a href="http://pds.nasa.gov/pds4/mission/mer/v1">http://pds.nasa.gov/pds4/mission/mer/v1</a>           | mer                  | urn:nasa:pds:              | PDS4_MER                    | Mission          | 0001_NASA_PDS_1        | MER   | img         | PDS Geo Node     | Susie Slawney                    | <a href="mailto:slawney@wunder.wustl.edu">slawney@wunder.wustl.edu</a>   |               | 2020-04-16        | S. Slawney         | Yes               | Yes               |                          |
| mgs              |                             | Namespace for the Mars Global Surveyor dictionary.  | mission/mgs                | <a href="http://pds.nasa.gov/pds4/mission/mgs/v1">http://pds.nasa.gov/pds4/mission/mgs/v1</a>           | mgs                  | urn:nasa:pds:              | PDS4_MGS                    | Mission          | 0001_NASA_PDS_1        | MGS   | img         | PDS IMG Node     | Trent Hare                       | <a href="mailto:thare@uigs.gov">thare@uigs.gov</a>   |               | 2013-11-25        | Lavie              | Yes               | Yes               |                          |
| mfpf             |                             | Namespace for the Mars Pathfinder dictionary.   | mission/mfpf               | <a href="http://pds.nasa.gov/pds4/mission/mfpf/v1">http://pds.nasa.gov/pds4/mission/mfpf/v1</a>         | mfpf                 | urn:nasa:pds:              | PDS4_MPF                    | Mission          | 0001_NASA_PDS_1        | MPF   | img         | PDS IMG Node     | Trent Hare                       | <a href="mailto:thare@uigs.gov">thare@uigs.gov</a>   |               | 2015-08-04        | J. Padams          | Yes               | Yes               |                          |
| mms              |                             | Namespace for the MAVEN dictionary.   | mission/mms                | <a href="http://pds.nasa.gov/pds4/mission/mms/v1">http://pds.nasa.gov/pds4/mission/mms/v1</a>           | mms                  | urn:nasa:pds:              | PDS4_MVN                    | Mission          | 0001_NASA_PDS_1        | MVN   | ppi         | PDS PPI Node     | Joseph Mafi                      | <a href="mailto:jmafi@ippg.ucd.edu">jmafi@ippg.ucd.edu</a>   |               | 2013-06-03        | J. Mafi            | Yes               | Yes               |                          |
| mvn              |                             | Namespace for the PPI Node's MAVEN dictionary.  | mission/mvn                | <a href="http://pds.nasa.gov/pds4/mvn/v1">http://pds.nasa.gov/pds4/mvn/v1</a>                           | mvn                  | urn:nasa:pds:              | PDS4_MVN                    | Mission          | 0001_NASA_PDS_1        | MVN   | ppi         | PDS PPI Node     | Joseph Mafi                      | <a href="mailto:jmafi@ippg.ucd.edu">jmafi@ippg.ucd.edu</a>   |               | 2015-06-03        | J. Mafi            | Yes               | Yes               |                          |
| orex             |                             | Namespace for the OSIRIS-REx dictionary.  | mission/orex               | <a href="http://pds.nasa.gov/pds4/mission/orex/v1">http://pds.nasa.gov/pds4/mission/orex/v1</a>         | orex                 | urn:nasa:pds:              | PDS4_OSA_BC                 | Mission          | 0001_NASA_PDS_1        | OREX  | sbn         | PDS SBN          | Carol Neme                       | <a href="mailto:neme@psi.edu">neme@psi.edu</a>   |               | 2014-05-          |                    |                   |                   |                          |

|                            |  |  |               |   |            |              |                       |            |                 |               |       |                     |                                      |                                    |                         |  |            |            |              |     |    |  |  |
|----------------------------|--|--|---------------|---|------------|--------------|-----------------------|------------|-----------------|---------------|-------|---------------------|--------------------------------------|------------------------------------|-------------------------|--|------------|------------|--------------|-----|----|--|--|
| bc_mpo_mlx                 |  | Namespace for the BepiColombo MIXS schema.               |               | <a href="http://psa.esa.int/psa/bc/mpo/mlx/v1">http://psa.esa.int/psa/bc/mpo/mlx/v1</a>           | mixs       | urn:esa:psa  | PDS4_PSA_BC_MPO_MIX   | Mission    | 0001_ESA_PSA_1  |               |       |                     |                                      | BepiColombo Science Ground Segment | Mark.Bentley at esa.int |  |            | 2019-11-19 | M.S. Bentley | No  | No |  |  |
| bc_mpo_mre                 |  | Namespace for the BepiColombo MORE schema.               |               | <a href="http://psa.esa.int/psa/bc/mpo/mre/v1">http://psa.esa.int/psa/bc/mpo/mre/v1</a>           | more       | urn:esa:psa  | PDS4_PSA_BC_MPO_MRE   | Mission    | 0001_ESA_PSA_1  |               |       |                     |                                      | BepiColombo Science Ground Segment | Mark.Bentley at esa.int |  |            | 2019-11-19 | M.S. Bentley | No  | No |  |  |
| bc_mpo_phe                 |  | Namespace for the BepiColombo PHEBUS schema.             |               | <a href="http://psa.esa.int/psa/bc/mpo/phe/v1">http://psa.esa.int/psa/bc/mpo/phe/v1</a>           | phebus     | urn:esa:psa  | PDS4_PSA_BC_MPO_PHE   | Mission    | 0001_ESA_PSA_1  |               |       |                     |                                      | BepiColombo Science Ground Segment | Mark.Bentley at esa.int |  |            | 2019-11-19 | M.S. Bentley | No  | No |  |  |
| bc_mpo_srn                 |  | Namespace for the BepiColombo SERENA schema.             |               | <a href="http://psa.esa.int/psa/bc/mpo/srn/v1">http://psa.esa.int/psa/bc/mpo/srn/v1</a>           | serena     | urn:esa:psa  | PDS4_PSA_BC_MPO_SRN   | Mission    | 0001_ESA_PSA_1  |               |       |                     |                                      | BepiColombo Science Ground Segment | Mark.Bentley at esa.int |  |            | 2019-11-19 | M.S. Bentley | No  | No |  |  |
| bc_mpo_sim                 |  | Namespace for the BepiColombo SIMBIO-SYS schema.         |               | <a href="http://psa.esa.int/psa/bc/mpo/sim/v1">http://psa.esa.int/psa/bc/mpo/sim/v1</a>           | simbiodyes | urn:esa:psa  | PDS4_PSA_BC_MPO_SIM   | Mission    | 0001_ESA_PSA_1  |               |       |                     |                                      | BepiColombo Science Ground Segment | Mark.Bentley at esa.int |  |            | 2019-11-19 | M.S. Bentley | No  | No |  |  |
| bc_mpo_six                 |  | Namespace for the BepiColombo SIXS schema.               |               | <a href="http://psa.esa.int/psa/bc/mpo/six/v1">http://psa.esa.int/psa/bc/mpo/six/v1</a>           | sixs       | urn:esa:psa  | PDS4_PSA_BC_MPO_SIX   | Mission    | 0001_ESA_PSA_1  |               |       |                     |                                      | BepiColombo Science Ground Segment | Mark.Bentley at esa.int |  |            | 2019-11-19 | M.S. Bentley | No  | No |  |  |
| chan1                      |  | Chandrayaan-1 mission dictionary                         | mission/chan1 | <a href="http://pds.nasa.gov/pds4/mission/chan1/v1">http://pds.nasa.gov/pds4/mission/chan1/v1</a> | chan1      | urn:nasa:pds | PDS4_CHAN1            | Mission    | 0001_NASA_PDS_1 | chan1         | chan1 | PDS GEO and PDS JMR | Susan Slavney                        | slavney at wunder.wustl.edu        |                         |  | 2020-10-07 | S. Slavney | Yes          | Yes |    |  |  |
| em16                       |  | Namespace for the ExoMars16 schema.                      | em16          | <a href="http://psa.esa.int/psa/em16/v1">http://psa.esa.int/psa/em16/v1</a>                       | em16       | urn:esa:psa  | PDS4_PSA_EM16         | Mission    | 0001_ESA_PSA_1  | em16          | em16  | em16                | ExoMars16 Science Operations Centre  | tlm at sciops.esa.int              |                         |  | 2019-11-19 | T. Lim     | Yes          | No  |    |  |  |
| em16_tgo_acs               |  | Namespace for the ExoMars16 ACS Instrument schema.       |               | <a href="http://psa.esa.int/psa/em16/tgo/acs/v1">http://psa.esa.int/psa/em16/tgo/acs/v1</a>       | acs        | urn:esa:psa  | PDS4_PSA_EM16_TGO_ACS | Mission    | 0001_ESA_PSA_1  | em16          | em16  | em16                | ExoMars16 Science Operations Centre  | dcoia at sciops.esa.int            |                         |  | 2019-11-19 | D. Coia    | Yes          | No  |    |  |  |
| em16_tgo_cas               |  | Namespace for the ExoMars16 CaSSIS Instrument schema.    |               | <a href="http://psa.esa.int/psa/em16/tgo/cas/v1">http://psa.esa.int/psa/em16/tgo/cas/v1</a>       | cas        | urn:esa:psa  | PDS4_PSA_EM16_TGO_CAS | Mission    | 0001_ESA_PSA_1  | em16          | em16  | em16                | ExoMars16 Science Operations Centre  | tlm at sciops.esa.int              |                         |  | 2019-11-19 | T. Lim     | Yes          | No  |    |  |  |
| em16_tgo_nmd               |  | Namespace for the ExoMars16 NOMAD Instrument schema.     |               | <a href="http://psa.esa.int/psa/em16/tgo/nmd/v1">http://psa.esa.int/psa/em16/tgo/nmd/v1</a>       | nmd        | urn:esa:psa  | PDS4_PSA_EM16_TGO_NMD | Mission    | 0001_ESA_PSA_1  | em16          | em16  | em16                | ExoMars16 Science Operations Centre  | tlm at sciops.esa.int              |                         |  | 2019-11-19 | T. Lim     | Yes          | No  |    |  |  |
| em16_tgo_frd               |  | Namespace for the ExoMars16 FREND Instrument schema.     |               | <a href="http://psa.esa.int/psa/em16/tgo/frd/v1">http://psa.esa.int/psa/em16/tgo/frd/v1</a>       | frd        | urn:esa:psa  | PDS4_PSA_EM16_TGO_FRD | Mission    | 0001_ESA_PSA_1  | em16          | em16  | em16                | ExoMars16 Science Operations Centre  | dcoia at sciops.esa.int            |                         |  | 2019-11-19 | D. Coia    | Yes          | No  |    |  |  |
| emrsp                      |  | Namespace for the ExoMarsRSP mission schema.             | emrsp         | <a href="http://psa.esa.int/psa/emrsp/v1">http://psa.esa.int/psa/emrsp/v1</a>                     | emrsp      | urn:esa:psa  | PDS4_PSA_EMRSP        | Mission    | 0001_ESA_PSA_1  | emrsp         | emrsp | emrsp               | ExoMarsRSP Science Operations Centre | tlm at sciops.esa.int              |                         |  | 2019-11-19 | T. Lim     | No           | No  |    |  |  |
| emrsp_rm                   |  | Namespace for the ExoMarsRSP Rover Host schema.          |               | <a href="https://psa.esa.int/psa/emrsp/rm/v1">https://psa.esa.int/psa/emrsp/rm/v1</a>             | rm         | urn:esa:psa  | PDS4_PSA_EMRSP_RM     | Mission    | 0001_ESA_PSA_1  | emrsp         | emrsp | emrsp               | ExoMarsRSP Science Operations Centre | tlm at sciops.esa.int              |                         |  | 2019-11-19 | T. Lim     | Yes          | No  |    |  |  |
| emrsp_rm_nav               |  | Namespace for the ExoMarsRSP NavCam Instrument schema.   |               | <a href="https://psa.esa.int/psa/emrsp/rm/nav/v1">https://psa.esa.int/psa/emrsp/rm/nav/v1</a>     | nav        | urn:esa:psa  | PDS4_PSA_EMRSP_RM_NAV | Mission    | 0001_ESA_PSA_1  | emrsp         | emrsp | emrsp               | ExoMarsRSP Science Operations Centre | tlm at sciops.esa.int              |                         |  | 2019-11-19 | T. Lim     | No           | No  |    |  |  |
| emrsp_rm_loc               |  | Namespace for the ExoMarsRSP LocCam Instrument schema.   |               | <a href="https://psa.esa.int/psa/emrsp/rm/loc/v1">https://psa.esa.int/psa/emrsp/rm/loc/v1</a>     | loc        | urn:esa:psa  | PDS4_PSA_EMRSP_RM_LOC | Mission    | 0001_ESA_PSA_1  | emrsp         | emrsp | emrsp               | ExoMarsRSP Science Operations Centre | tlm at sciops.esa.int              |                         |  | 2019-11-19 | T. Lim     | No           | No  |    |  |  |
| emrsp_rm_pan               |  | Namespace for the ExoMarsRSP PanCam Instrument schema.   |               | <a href="https://psa.esa.int/psa/emrsp/rm/pan/v1">https://psa.esa.int/psa/emrsp/rm/pan/v1</a>     | pan        | urn:esa:psa  | PDS4_PSA_EMRSP_RM_PAN | Mission    | 0001_ESA_PSA_1  | emrsp         | emrsp | emrsp               | ExoMarsRSP Science Operations Centre | tlm at sciops.esa.int              |                         |  | 2019-11-19 | T. Lim     | No           | No  |    |  |  |
| emrsp_rm_isi               |  | Namespace for the ExoMarsRSP ISEM Instrument schema.     |               | <a href="https://psa.esa.int/psa/emrsp/rm/isi/v1">https://psa.esa.int/psa/emrsp/rm/isi/v1</a>     | isi        | urn:esa:psa  | PDS4_PSA_EMRSP_RM_ISI | Mission    | 0001_ESA_PSA_1  | emrsp         | emrsp | emrsp               | ExoMarsRSP Science Operations Centre | tlm at sciops.esa.int              |                         |  | 2019-11-19 | T. Lim     | No           | No  |    |  |  |
| emrsp_rm_clu               |  | Namespace for the ExoMarsRSP CLUPI Instrument schema.    |               | <a href="https://psa.esa.int/psa/emrsp/rm/clu/v1">https://psa.esa.int/psa/emrsp/rm/clu/v1</a>     | clu        | urn:esa:psa  | PDS4_PSA_EMRSP_RM_CLU | Mission    | 0001_ESA_PSA_1  | emrsp         | emrsp | emrsp               | ExoMarsRSP Science Operations Centre | tlm at sciops.esa.int              |                         |  | 2019-11-19 | T. Lim     | No           | No  |    |  |  |
| emrsp_rm_wis               |  | Namespace for the ExoMarsRSP WISDOM Instrument schema.   |               | <a href="https://psa.esa.int/psa/emrsp/rm/wis/v1">https://psa.esa.int/psa/emrsp/rm/wis/v1</a>     | wis        | urn:esa:psa  | PDS4_PSA_EMRSP_RM_WIS | Mission    | 0001_ESA_PSA_1  | emrsp         | emrsp | emrsp               | ExoMarsRSP Science Operations Centre | tlm at sciops.esa.int              |                         |  | 2019-11-19 | T. Lim     | No           | No  |    |  |  |
| emrsp_rm_arm               |  | Namespace for the ExoMarsRSP ADRON_RM Instrument schema. |               | <a href="https://psa.esa.int/psa/emrsp/rm/arm/v1">https://psa.esa.int/psa/emrsp/rm/arm/v1</a>     | arm        | urn:esa:psa  | PDS4_PSA_EMRSP_RM_ARM | Mission    | 0001_ESA_PSA_1  | emrsp         | emrsp | emrsp               | ExoMarsRSP Science Operations Centre | tlm at sciops.esa.int              |                         |  | 2019-11-19 | T. Lim     | No           | No  |    |  |  |
| emrsp_rm_mis               |  | Namespace for the ExoMarsRSP MaMSS Instrument schema.    |               | <a href="https://psa.esa.int/psa/emrsp/rm/mis/v1">https://psa.esa.int/psa/emrsp/rm/mis/v1</a>     | mis        | urn:esa:psa  | PDS4_PSA_EMRSP_RM_MIS | Mission    | 0001_ESA_PSA_1  | emrsp         | emrsp | emrsp               | ExoMarsRSP Science Operations Centre | tlm at sciops.esa.int              |                         |  | 2019-11-19 | T. Lim     | No           | No  |    |  |  |
| emrsp_rm_mic               |  | Namespace for the ExoMarsRSP MicOmega Instrument schema. |               | <a href="https://psa.esa.int/psa/emrsp/rm/mic/v1">https://psa.esa.int/psa/emrsp/rm/mic/v1</a>     | mic        | urn:esa:psa  | PDS4_PSA_EMRSP_RM_MIC | Mission    | 0001_ESA_PSA_1  | emrsp         | emrsp | emrsp               | ExoMarsRSP Science Operations Centre | tlm at sciops.esa.int              |                         |  | 2019-11-19 | T. Lim     | No           | No  |    |  |  |
| emrsp_rm_mom               |  | Namespace for the ExoMarsRSP MOMA Instrument schema.     |               | <a href="https://psa.esa.int/psa/emrsp/rm/mom/v1">https://psa.esa.int/psa/emrsp/rm/mom/v1</a>     | mom        | urn:esa:psa  | PDS4_PSA_EMRSP_RM_MOM | Mission    | 0001_ESA_PSA_1  | emrsp         | emrsp | emrsp               | ExoMarsRSP Science Operations Centre | tlm at sciops.esa.int              |                         |  | 2019-11-19 | T. Lim     | No           | No  |    |  |  |
| emrsp_rm_rls               |  | Namespace for the ExoMarsRSP RLS Instrument schema.      |               | <a href="https://psa.esa.int/psa/emrsp/rm/rls/v1">https://psa.esa.int/psa/emrsp/rm/rls/v1</a>     | rls        | urn:esa:psa  | PDS4_PSA_EMRSP_RM_RLS | Mission    | 0001_ESA_PSA_1  | emrsp         | emrsp | emrsp               | ExoMarsRSP Science Operations Centre | tlm at sciops.esa.int              |                         |  | 2019-11-19 | T. Lim     | No           | No  |    |  |  |
| <b>Held For Future Use</b> |  |  |               |   |            |              |                       |            |                 |               |       |                     |                                      |                                    |                         |  |            |            |              |     |    |  |  |
| dph                        |  | Namespace for the DPH Example products dictionary.       | dph           | <a href="http://pds.nasa.gov/pds4/dph/v1">http://pds.nasa.gov/pds4/dph/v1</a>                     | dph        | urn:nasa:pds |                       | Discipline | 0001_NASA_PDS_1 | Engineering   | en    | PDS EN Node         | Steve Hughes                         | Steve.Hughes at jpl.nasa.gov       |                         |  | 2016-05-17 | R. Joyner  |              |     |    |  |  |
| geo                        |  | Namespace for the Geosciences node's dictionary.         | geo           | <a href="http://pds.nasa.gov/pds4/geo/v1">http://pds.nasa.gov/pds4/geo/v1</a>                     | geo        | urn:nasa:pds |                       | Discipline | 0001_NASA_PDS_1 | Geosciences   | geo   | PDS GEO Node        | Edward Guinness                      | guinness at wunder.wustl.edu       |                         |  | 2012-04-01 | S. Hughes  |              |     |    |  |  |
| naif                       |  | Namespace for the NAIF node's dictionary.                | naif          | <a href="http://pds.nasa.gov/pds4/naif/v1">http://pds.nasa.gov/pds4/naif/v1</a>                   | naif       | urn:nasa:pds |                       | Discipline | 0001_NASA_PDS_1 | NAIF          | naif  | PDS NAIF Node       | Boris Semenov                        | Boris.V.Semenov at jpl.nasa.gov    |                         |  | 2012-04-01 | S. Hughes  |              |     |    |  |  |
| rs                         |  | Namespace for the Radio Science node's dictionary.       | rs            | <a href="http://pds.nasa.gov/pds4/rs/v1">http://pds.nasa.gov/pds4/rs/v1</a>                       | rs         | urn:nasa:pds |                       | Discipline | 0001_NASA_PDS_1 | Radio Science | rs    | PDS RS Node         | Richard Simpson                      | radiosci at att.net                |                         |  | 2012-04-01 | S. Hughes  |              |     |    |  |  |

- (1) Namespace Id is defined in the PDS4 Information Model. It is a namespace container for a logical grouping of classes and attributes and is assigned by the steward. Namespace\_id is often mapped to the namespace prefix defined in XML documents.
- (2) The Namespace Id used to create a URL for a mission level dictionary requires the prefix "mission".
- (3) The default namespace and namespace prefix, in an XML Schema file, is null.
- (4) The Schema File Name Prefix typically has a suffix that includes the version number of the dictionary, for example PDS4\_PDS\_1400.
- (5) The PDS Change Control Board (CCB) provides oversight by reviewing and approving all changes to the Common dictionary.
- (6) The Steward Lead field indicates the lead entity within the stewardship group. This entity and the members of the group can change as needed. The steward\_id should not change.