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| <b>Status:</b>            | Closed  |
| <b>Project:</b>           | <a href="#">PDS4 Standards Change Control Board</a> |
| <b>Component/s:</b>       | <a href="#">Information Model</a>                   |
| <b>Affects Version/s:</b> | <a href="#">1.1.0.0</a>                             |
| <b>Fix Version/s:</b>     | None  |

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| <b>Type:</b>               | Enhancement / Improvement         | <b>Priority:</b> | Normal / Non-urgent       |
| <b>Reporter:</b>           | <a href="#">Ronald Joyner</a>     | <b>Assignee:</b> | <a href="#">Emily Law</a> |
| <b>Resolution:</b>         | Queued as Software Implementation |                  |                           |
| <b>Labels:</b>             | Implemented_and_Released          |                  |                           |
| <b>Remaining Estimate:</b> | Not Specified                     |                  |                           |
| <b>Time Spent:</b>         | Not Specified                     |                  |                           |
| <b>Original Estimate:</b>  | Not Specified                     |                  |                           |

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| <b>Proposed Solution:</b>            | Add new schematron rules that ensures the <lidvid_reference> and <lid_reference> attributes in the <Bundle_Member_Entry> class enforce the correct validation criteria.  |
| <b>Dependencies / Contingencies:</b> | None   |
| <b>Additional Information:</b>       | Requested by RINGS   |
| <b>Working Group:</b>                | None   |
| <b>Requested Changes:</b>            | <p>Add a new set of schematron rules for the &lt;Bundle_Member_Entry&gt; class. The proposed schematron rule follows:</p> <pre>&lt;sch:pattern&gt;   &lt;sch:rule context="pds:Bundle_Member_Entry"&gt;     &lt;sch:let name="lid_num_colons" value="string-length(pds:lid_reference) - string-length(translate(pds:lid_reference, ':', ''))"/&gt;     &lt;sch:let name="lidvid_num_colons" value="string-length(pds:lidvid_reference) - string-length(translate(pds:lidvid_reference, ':', ''))"/&gt;     &lt;sch:let name="lid_required_colons" value="4"/&gt;     &lt;sch:let name="lidvid_required_colons" value="6"/&gt;     &lt;sch:assert test="if (pds:lid_reference) then (\$lid_num_colons eq \$lid_required_colons) else true()"/&gt;     The number of colons found in lid_reference: (&lt;sch:value-of select="\$lid_num_colons"/&gt;) is inconsistent with the</pre> |

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|                          | <pre> number expected: &lt;sch:value-of select="\$lid_required_colons"/&gt;.&lt;/sch:assert&gt;   &lt;sch:assert test="if (pds:lidvid_reference) then (\$lidvid_num_colons eq \$lidvid_required_colons) else true()"&gt;     The number of colons found in lidvid_reference: (&lt;sch:value-of select="\$lidvid_num_colons"/&gt;) is inconsistent with the number expected: &lt;sch:value-of select="\$lidvid_required_colons"/&gt;.&lt;/sch:assert&gt;   &lt;sch:assert test="if (pds:lid_reference) then starts-with(pds:lid_reference,'urn:nasa:pds:') else true()"&gt;     The value of the attribute lid_reference must start with 'urn:nasa:pds:'&lt;/sch:assert&gt;   &lt;sch:assert test="if (pds:lidvid_reference) then starts-with(pds:lidvid_reference,'urn:nasa:pds:') else true()"&gt;     The value of the attribute lidvid_reference must start with 'urn:nasa:pds:'&lt;/sch:assert&gt;   &lt;sch:assert test="if (pds:lid_reference) then not(contains(pds:lid_reference,'::')) else true()"&gt;     The value of the attribute lid_reference must not include a value that contains '::' followed by version id&lt;/sch:assert&gt;   &lt;sch:assert test="if (pds:lidvid_reference) then contains(pds:lidvid_reference,'::') else true()"&gt;     The value of the attribute lidvid_reference must include a value that contains '::' followed by version id&lt;/sch:assert&gt; &lt;/sch:rule&gt; &lt;/sch:pattern&gt; </pre> |
| <b>Impact Statement:</b> | <p>Impact:</p> <ul style="list-style-type: none"> <li>-- Information Model -- add schematron rule</li> </ul> <p>No Impact:</p> <ul style="list-style-type: none"> <li>-- APG</li> <li>-- Concepts Document</li> <li>-- DPH</li> <li>-- External Agencies</li> <li>-- ISO Standards</li> <li>-- PDS Tools</li> <li>-- PDS Website</li> <li>-- PAG</li> <li>-- Standards Reference</li> </ul>  |
| <b>System Impact:</b>    | backwards compatible   |

### Description

The attributes <lidvid\_reference> and <lid\_reference> in the <Bundle\_Member\_Entry> class need validation criteria similar to what is provided for the same attributes in the <Internal\_Reference> class. The rules are similar but there is a difference in that the Bundle\_Member\_Entry class only permits reference to Collections.

### Comments

Comment by [Ronald Joyner](#) [ 03/Jul/13 ]

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Comment by [Ronald Joyner](#) [ 17/Jul/13 ]

CCB categorized this SCR as a 'software change'. CCB also approved SCR for implementation

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