

<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>	1.1.0.0
<b>Fix Version/s:</b>	None

<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		

<b>Proposed Solution:</b>	Add a schematron rule that validates that the value for <logical_identifier> can only contain lower case letters (e.g., a thru z).
<b>Dependencies / Contingencies:</b>	None
<b>Additional Information:</b>	The attribute <logical_identifier> only exists in the <Identification_Area> class.
<b>Working Group:</b>	None
<b>Requested Changes:</b>	<p>Add a schematron rule to ensure that the value for the attribute &lt;logical_identifier&gt; in the &lt;Identification_Area&gt; class can only contain lower case letters.</p> <p>The modified schematron rule follows:</p> <pre>&lt;sch:pattern&gt;   &lt;sch:rule context="pds:Identification_Area"&gt;     &lt;sch:assert test="pds:logical_identifier eq lower-case(pds:logical_identifier)"&gt;       The value of the attribute logical_identifier must only contain lower-case letters'&lt;/sch:assert&gt;      &lt;sch:assert test="if (pds:logical_identifier) then starts-with(pds:logical_identifier,'urn:nasa:pds:') else true()"&gt;       The value of the attribute logical_identifier must start with 'urn:nasa:pds:'&lt;/sch:assert&gt;</pre>

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<sch:assert test="if (pds:logical_identifier) then not(contains(pds:logical_identifier,':')) else true()">
  The value of the attribute logical_identifier must not include a value that contains ':'</sch:assert>
<sch:assert test="if (pds:product_class) then pds:product_class = ('Product_AIP', 'Product_Attribute_Definition',
'Product_Browse', 'Product_Bundle', 'Product_Class_Definition', 'Product_Collection', 'Product_Context', 'Product_DIP',
'Product_DIP_Deep_Archive', 'Product_Data_Set_PDS3', 'Product_Document', 'Product_File_Repository',
'Product_File_Text', 'Product_Instrument_Host_PDS3', 'Product_Instrument_PDS3', 'Product_Mission_PDS3',
'Product_Observational', 'Product_Proxy_PDS3', 'Product_SIP', 'Product_SPICE_Kernel', 'Product_Service',
'Product_Software', 'Product_Subscription_PDS3', 'Product_Target_PDS3', 'Product_Thumbnail', 'Product_Update',
'Product_Volume_PDS3', 'Product_Volume_Set_PDS3', 'Product_XML_Schema', 'Product_Zipped') else true()">
  The attribute pds:product_class must be equal to one of the following values 'Product_AIP',
'Product_Attribute_Definition', 'Product_Browse', 'Product_Bundle', 'Product_Class_Definition', 'Product_Collection',
'Product_Context', 'Product_DIP', 'Product_DIP_Deep_Archive', 'Product_Data_Set_PDS3', 'Product_Document',
'Product_File_Repository', 'Product_File_Text', 'Product_Instrument_Host_PDS3', 'Product_Instrument_PDS3',
'Product_Mission_PDS3', 'Product_Observational', 'Product_Proxy_PDS3', 'Product_SIP', 'Product_SPICE_Kernel',
'Product_Service', 'Product_Software', 'Product_Subscription_PDS3', 'Product_Target_PDS3', 'Product_Thumbnail',
'Product_Update', 'Product_Volume_PDS3', 'Product_Volume_Set_PDS3', 'Product_XML_Schema', 'Product_Zipped'.
</sch:assert>
<sch:assert test="if (pds:information_model_version) then pds:information_model_version = ('1.0.0.0') else true()">
  The attribute pds:information_model_version must be equal to the value '1.0.0.0'.</sch:assert>
</sch:rule>
</sch:pattern>

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**Impact Statement:**

Impact:  
 -- Information Model -- modify schematron rule to include new test

No Impact:  
 -- APG  
 -- Concepts Document  
 -- DPH  
 -- External Agencies  
 -- ISO Standards  
 -- PDS Tools  
 -- PDS Website  
 -- PAG  
 -- Standards Reference

**System Impact:**

backwards compatible

## Description

The 4.0.8 standards references states that uppercase characters are not permitted in <logical\_identifier> values. One of the migration data preparers ignored this and included uppercase letters in the LID, but got no error message. Apparently, the LID character set is still not being validated.

## Comments

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

SJ\_xls\_18

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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