

All Fields marked with * are mandatory.

Change Request #:	145
Assigned OGC Document #:	11-041
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Document Name/Version:	*Web Processing Service / 1.0.0
OGC Project Document:	*05-007r7
<p>If this is a revision of a previous submission and you have a Change Request Number, then check here: <input type="checkbox"/></p> <p>Enter the CR number here: <input type="text"/></p> <p>Enter the Revision Number that you are revising here: <input type="text"/></p>	
Title:	*Allow default value for a complex data input type
Source:	*Web Processing Service 2.0 SWG
Work item code:	
Category:	* <input type="text" value="B (Addition of feature)"/>
Reason for change:	<p>* WPS 1.0.0 allows specifying default value for a literal input type. At the same time, there is no such option for complex data input type. It is impossible to "default" complex inputs.</p> <p>This feature is very useful in many scenarios. For instance, some "reasonable default value" is known for the input (ex. "most used value" or "recent value" or "user settings" may be used as default value). This may improve usability of WPS process on the client site (end-user interaction).</p>
Summary of change:	<p>* Add an optional DefaultValue element of type wps:ComplexDataType to the SupportedComplexDataInputType type:</p> <pre><complexType name="SupportedComplexDataInputType"></pre>

	<pre> <complexType name="SupportedComplexDataInputType"> <complexContent> <extension base="wps:SupportedComplexDataType"> <sequence> <!-- Optional default value element. --> <element name="DefaultValue" type="wps:ComplexDataType" minOccurs="0"> <annotation> <documentation>Optional default value.</documentation> </annotation> </element> </sequence> <attribute name="maximumMegabytes" type="integer" use="optional"/> </extension> </complexContent> </complexType> </pre>
Consequences if not approved:	<p>It is impossible to default complex input parameter. As a consequence, complex input parameters must be always provided by the client even if some reasonable "default" value is known.</p>
Clauses affected:	<p>* 9.3.1 (Table 21), C.5 (Figure C.7)</p>
Additional Documents affected:	<p>XML Schema for WPS.</p>
Supporting Documentation:	<p>Attached the modified wpsDescribeProcess_request.xsd</p>
Comments:	<p>This change is trivial and does not affect existing applications. Since DefaultValue is optional, it is backwards-compatible.</p> <p>I have mentioned this issue on the WPS 2.0 SWG Meeting on OGC PC/TC Meeting in Bonn, February 2011.</p>
Status:	<p>Assigned</p>
Assigned To:	<p>WPS 2.0 SWG</p>
Disposition:	<p>Referred</p>