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Change Request #:	**7**
Assigned OGC Document #:	**09-100**
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Document Name/Version:	*Web Processing Service / 1.0.0
OGC Project Document:	*05-007r7

If this is a revision of a previous submission and you have a Change Request Number, then check here: ☐
Enter the CR number here:
Enter the Revsion Number that you are revising here:

Title:	*Divide in core and extension
Source:	*Spot Image, UAH
Work item code:	
Category:	* C (Functional modification of feature)

Reason for change:

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Currently the WPS specification defines two ways to describe inputs and outputs. The first way is via a simple set of OWS Common parameter objects and the second is via XML schema. WPS needs to adpapt better to other data models used in OGC. In particular it would be useful to use the SWE data models to define WPS inputs and outputs so that it can be easily connected to SWE services such as SOS, SPS and the future SAS/SES. When WPS is used to process coverage data, it would be useful that the input/output descriptors align with existing coverage metadata standards.

Summary of change:

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The requested change is to refactor the specification into core + extensions, so that it is possible to write extensions for different input/output encodings (similar to what was done in WCS). The core of the specification should address the behavioral model of WPS (i.e. the role of each operation, the general way the input/output structure and

	semantics definition can be obtained by clients, how asynchronicity is handled, how notifications about processing status can be requested, etc...). The extensions however would focus on defining the exact syntax for describing and encoding input and output data.
Consequences if not approved:	WPS will remain too generic and hardly interoperable (i.e. basically equivalent to a WSDL defined service). Making WPS adopt more specific encodings makes a much more robust and unambiguous description of inputs/outputs possible.
Clauses affected:	* Overall redesign of the specification needed
Additional Documents affected:	
Supporting Documentation:	
Comments:	
Status:	Assigned
Disposition:	Accepted