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Change Request #:	**8**
Assigned OGC Document #:	**09-101**
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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:	*Support for SensorML
Source:	*UAH, SPOT Image
Work item code:	
Category:	* B (Addition of feature)

Reason for change: *

WPS currently defines a particular way to describe inputs, outputs, and description of the process supported by a particular WPS. SensorML is a standard means for defining Processes including properties such as inputs, outputs, method, as well as a host of potentially relevant metadata including characteristics, intended application, security constraints, etc. In addition, SensorML utilizes SWE COmmon which provide a robust means of defining datatypes, including semantics, uom, constraints, etc. In the emerging V2.0 of SWE Common, it also supports choices between input and output messages (i.e it could support options for different inputs).

In addition to providing a good means of defining inputs and outputs, being able to receive WPS definitions as SensorML would greatly ease the inclusion of WPS instances within SensorML process chains for support in processing sensor data.

Summary of change:	* Allow support for SensorML as a "format" for describeProcess. SensorML could serve as either THE means for describing the inputs and outputs (and the process itself), or as an addition (and perhaps optional) format in addition to other means.
Consequences if not approved:	This would greatly enhance the use of WPS for sensor observations and provide harmonization with SWE. Failure to have this option will make inclusion of WPS instances within SensorML process chains very clumsy.
Clauses affected:	* NA
Additional Documents affected:	
Supporting Documentation:	
Comments:	
Status:	Assigned
Disposition:	Accepted