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Change Request #:	99
Assigned OGC Document #:	10-133
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Document Name/Version:	*Web Service Common Implementation Specification / 2.0.0
OGC Project Document:	*06-121r9

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: 🔵	*Define a cross-service implementation of the subscribe/notify paradigm
Source: 🔵	*SWE Umbrella SWG, WPS SWG, ESA HMA Project
Work item code: 🔵	
Category: 🔵	* [B (Addition of feature) ▼]

Reason for change: 🔵	* Many OGC service specifications define their own way of handling subscriptions and notifications as well as asynchronous mechanisms. There needs to be a standard OGC approach to solve this need in a common manner in all service standards.
Summary of change: 🔵	* We suggest the reuse of WS-Notification and WS-Addressing that are

OASIS and W3C standards respectively and adopted by many other organizations developing asynchronous functionalities for web services, including workflow engines, as well as the SPS standard and probably the WPS standard.

The OWS Common standard should define how these OASIS standards are to be used with OGC services. In particular a new capabilities section needs to be defined to advertise a service notification capabilities. Common notification message could also be defined for generic events such as "capabilities changed", "service under maintenance", etc...

Consequences if not approved:	OGC service standards will remain heterogeneous in the way they handle adynchronous requests and the subscribe/notify paradigm. This greatly increases the cost of implementing and chaining several OGC services, and interconnecting them in a service oriented architecture.

Clauses affected:	* One or more new clauses need to be added.
Additional Documents affected:	All OGC service standards with notification functionalities should align to the new implementation defined in OWS Common.
Supporting Documentation:	Web Service Notification: http://www.oasis-open.org/committees/wsn/ Web Service Addressing: http://www.w3.org/TR/ws-addr-core/
Comments:	
Status:	Assigned
Assigned To:	OAB
Disposition:	Reffered