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Change Request #:	23
Assigned OGC Document #:	09-175
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Document Name/Version:	*Web Services Common Standard / 1.2
OGC Project Document:	*06-121r8

If this is a revision of a previous submission and you have a Change Request Number, then check here:

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Title:	*Request Base Type
Source:	* http://wiki.services.eoportal.org/tiki-index.php?page=HMA-FO+OWS+Common+1.2+review
Work item code:	
Category:	* C (Functional modification of feature)

Reason for change:	* The XML complexType "RequestBaseType" shown in 9.2.3 is NOT included in the schema of OWS Common 1.2 - this requires all specifications to copy the type definition in their own schema instead of just extending the type from OWS Common
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Summary of change:	* Preface In clause 9.2, basic functionality for all OWS requests is described. The acceptLanguages parameter is listed in table 29 and included in example KVP and XML encodings. KVP is fine. Issue description There are several issues here: 1. The XML complexType "RequestBaseType" shown in 9.2.3 is NOT included in the schema of OWS Common 1.2 - this requires all specifications to copy the type definition in their own schema
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instead of just extending the type from OWS Common, which would be preferable. Thus, this abstract type - and an according abstract element - should be added to the schema of OWS Common.

2. The UML class of "RequestBase" shown in 9.2.1 contains the mandatory service and version parameters. In addition, it contains a property named "request" which usually is given implicitly by the name of the class that is derived from "RequestBase".

* Therefore, the "request" property should be removed from the UML model - it seems to be a relic in support of KVP, though a trivial rule can be designed for the KVP encoding of an operation to require that the KVP parameter list includes a request parameter with the value being the name of the operations request class (e.g. "Submit" in SPS ... or "GetCapabilities" for the well-known operation). ... if the removal of the "request" property from RequestBase is accepted, then that property should also be removed from the UML model of the GetCapabilities operation (see figure C.2).

* The UML of "RequestBase" is also not showing the acceptLanguages parameter. This property should be added, cardinality being 0..1 and type being CharacterString (or GenericName so that the codeSpace could be indicated if needed - this could for example point to the specification / dictionary where the language code is defined).

Related issue (minor - but to be considered at least for the following version of OWS Common)

Basically, as the namespace of an OWS nowadays not only identifies the service type but the version as well, one could think about removing the "service" and "version" properties in RequestBase completely. The reason is that all XML encoded service requests would use that namespace in the root element of the request anyway. For KVP encoded requests the properties could be added again. It seems like a KVP binding should list all possible parameters and their encoding in a separate table anyway - especially because some complex properties contained in the UML model of a service request would need special treatment in KVP encoding.

In the UML model, the package information could / would(?) carry the information of service type and version. Then the question is if common OWS operation parameters (like for example the acceptLanguages parameters) would not better be put into common extension elements of operation requests and responses (like defined in the SWE Service Model).

It is unlikely that such a change can/will be made to OWS Common 1.2, but it should be considered for the following version of OWS Common.

Consequences if not approved: ⓘ

Clauses affected: ⓘ

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clause 9.2

Additional Documents affected: ⓘ

Supporting Documentation: ⓘ

<http://wiki.services.eoportal.org/tiki-index.php?page=HMA-FO+OWS+Common+1.2+review>

Comments: ⓘ

Status: 

Assigned

Disposition: 

Referred