

All Fields marked with \* are mandatory.

<b>Change Request #:</b>	295
<b>Assigned OGC Document #:</b>	13-059
<b>Name:</b>	*Panagiotis (Peter) A. Vretanos
<b>Organization:</b>	*CubeWerx Inc.
<b>Email:</b>	*pvretano@cubewerx.com
<b>Document Name/Version:</b>	*Web Service Common Implementation Specification / 2.0.0
<b>OGC Project Document:</b>	*06-121r9
If this is a revision of a previous submission and you have a Change Request Number, then check here: <input type="checkbox"/>	
Enter the CR number here: <input type="text"/>	
Enter the Revision Number that you are revising here: <input type="text"/>	
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<b>Title:</b>	* <input type="text" value="[OWS Common 2.0] Add support for very large capabilities document"/>
<b>Source:</b>	*pvretano@cubewerx.com
<b>Work item code:</b>	
<b>Category:</b>	* <input type="text" value="C (Functional modification of feature)"/>
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<b>Reason for change:</b>	* Services that offer thousands/millions (or more) items in the content section make it cumbersome and inefficient to download and manipulate capabilities documents. This is especially true for services such as SOS that may offer hundreds of thousands of content section items.
<b>Summary of change:</b>	* <ul style="list-style-type: none"><li>- the CR proposes to add new parameters to the GetCapabilities request that</li><li>- allow the client to control the number of items that appear in the content section</li><li>- allow the client to page through the items in the content section</li><li>- allow the client to identify which items should appear in the content section using predicates including spatial and temporal predicates</li><li>- the GetCapabilities request would work as currently defined EXCEPT the items that appear in the content section shall be controlled by these parameters</li><li>- these parameters may be ignored if the GetCapabilities</li></ul>

request specifically excludes the content section from the response

- the proposed parameters (based on OpenSearch) are:
  - count
    - controls the number of items that shall appear in the content section
    - the default value is 10
  - startIndex
    - indicates the index of the first content item that shall be presented in the response
    - the default value is 1
  - together with count allow client to "page" through the items in the content section
  - a necessary requirement is that the server consistently sort the items in the content section; in other words sequential GetCapabilities requests to a static service should present the content section items in the same order
- searchTerms
  - a list of terms, one or more of which shall appear in the item to be presented in the content section
- bbox
  - as per OWS common
  - in order for the item to be presented in the content section, some salient spatial property of the item shall exist within the specified bbox
- start/end
  - in order for the time to be presented in the content section, some salient temporal property of the item shall exist within the specified timespan
  - values are encoded as time instances as per ISO-8601
  - start and end may be specified individually (for open ended temporal searches) or together to define a timespan
- examples
  - ...sections=ServiceIdentification&count=10...
    - in this case the count parameter is ignored since the content section is specifically excluded from the response
  - ...startIndex=10&count=5...
    - generates a standard capabilities document with all the usual sections including a content section
    - the content section contains items 10 to 14
  - ...searchTerms=restaurants&bbox=10,10,20,20...
    - generates a standard capabilities document with all the usual sections including a content section
    - the content section contains items that contain the term "restaurant" and lie within the specified bbox
  - ...sections=Contents&start=01-01-2013&end=17-02-2013...
    - generates a standard capabilities document that only contains the content section
    - the content section contains items whose salient time property is between 01-JAN-2013 and 17-FEB-2013

**Consequences if not approved:** 

**Clauses affected:** 

\*  
Clause 7.2, 7.3, 7.4

**Additional Documents**

<b>affected:</b> 	
<b>Supporting Documentation:</b> 	
<b>Comments:</b> 	
<b>Status:</b> 	Assigned 
<b>Assigned To:</b> 	Common RWG 
<b>Disposition:</b> 	Referred 