**Current OpenSearch encoding of the <query> element in an Atom response:**

Is defined at <http://www.opensearch.org/Specifications/OpenSearch/1.1#The_.22Query.22_element> with more information at http://www.opensearch.org/Specifications/OpenSearch/1.1#OpenSearch\_Query\_element

E.g. <Query role="request" count="10" title="mytitle" startIndex="1" time:start="2016-09-06T15%3A00%3A00Z" …/>

**Current JSON encoding proposed on page 34 of OGC 17-047 dated 03/05/2017.**

E.g.

**"query" : "time:start=\"2016-09-06T15%3A00%3A00Z\" time:end=\"2016-09-06T16%3A00%3A00Z\"/>",**

**Change Request 1: modify JSON encoding for <Query> ("query") as follows and renames as "queries":**

"queries": {

"request":

[{

"title": "myTitle"

"count": 10,

"startIndex": 1,

"time:start": "2016-09-06T15%3A00%3A00Z",

"time:end": "2016-09-06T16%3A00%3A00Z"

}]  
}

**Reason:**

* Information about original query parameters is now structured and not flattened into a single string, thus easier to parse by clients.
* The "queries" array is extendable (a general solution for additional use cases as well) and can contain other arrays for other "roles". "request" is a possible "role" defined in the OpenSearch specification. Others are "example", "subset", "related", "superset" etc… The same encoding applies, with "request" replaced by the "role".

Note: the above encoding is identical (a subset) to the JSON encoding for the original <os:query role="request" .. /> information by Google and not a new invention:

* <https://developers.google.com/custom-search/json-api/v1/using_rest>
* https://developers.google.com/custom-search/json-api/v1/reference/cse/list#response

I propose the following definition (extracted from above Google page):

