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| CHANGE REQUEST |
| Meeting:\* | ARC 17.0 |
| Source:\* | KETI |
| Date:\* | 2015-05-09 |
| Contact:\* | Sungchan Choi, Ting Martin Miao, Jaeho Kim (csc@keti.re.kr) |
| Reason for Change/s:\* | CR for *Result Content* parameter clarification |
| CR against: Release\* | Release 2 |
| CR against: WI\* | [ ]  Active <Work Item number> [x]  MNT Maintenace / < Work Item number(optional)>[ ]  STE Small Technical Enhancements / < Work Item number (optional)>Only ONE of the above shall be ticked |
| CR against: TS/TR\* | TS-0001-V2.1.0 |
| Clauses/Sub Clauses\* | 8.1.2 result content |
| Type of change: \* | [ ]  Editorial change[x]  Bug Fix or Correction[ ]  Change to existing feature or functionality[ ]  New feature or functionalityOnly ONE of the above shall be ticked |
| Post Freeze checking:\* | This CR contains only essential changes and corrections? YES [x]  NO [ ] This CR is a mirror CR? YES [ ]  NO [x]  if YES, please indicate the document number of the original CR: <Document Number)<CR Number of the original CR to the current Release> |
| Template Version:23 February 2015 (Dot not modify) |

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GUIDELINES for Change Requests:

Provide an informative introduction containing the problem(s) being solved, and a summary list of proposals.

Each CR should contain changes related to only one particular issue/problem.

In case of a correction, and the change apply to previous releases, a separated “mirror CR” should be posted at the same time of this CR

Follow the principle of completeness, where all changes related to the issue or problem within a deliverable are simultaneously proposed to be made E.g. A change impacting 5 tables should not only include a proposal to change only 3 tables. Includes any changes to references, definitions, and acronyms in the same deliverable.

Follow the drafting rules.

All pictures must be editable.

Check spelling and grammar to the extent practicable.

Use Change bars for modifications.

The change should include the current and surrounding clauses to clearly show where a change is located and to provide technical context of the proposed change. Additions of complete sections need not show surrounding clauses as long as the proposed section number clearly shows where the new section is proposed to be located.

Multiple changes in a single CR shall be clearly separated by horizontal lines with embedded text such as, start of change 1, end of change 1, start of new clause, end of new clause.

When subsequent changes are made to content of a CR, then the accepted version should not show changes over changes. The accepted version of the CR should only show changes relative to the baseline approved text.

## Introduction

This contribution proposes clarification of result content parameter in request message. Specifically, this CR clarifies the operations which are related to each result content value used and the limit usage.

### -----------------------Start of change 1-------------------------------------------

### 8.1.2 Request

* ***Result Content*:** optional result content: Indicates what are the expected components of the result of the requested operation. The Originator of a request may not need to get back a result of an operation at all. This shall be indicated in the ***Result Content*** parameter. Which exact settings of ***Result Code*** are possible depends on the requested operation specified in ***Operation***. Possible values of ***Result Content*** are:
* **attributes:** Representation of the requested resource shall be returned as content, without the address(es) of the child resource(s). For example, if the request is to retrieve a *<container>* resource, the address(es) of the *<contentInstance>* child-resource(s) is not provided. When this is used for Create operation, only assigned/modified attributes shall be included in the content. This setting shall be valid for Create, Retrieve, Update, Delete operation. If the Originator does not set ***Result Content*** parameter in the request message, this setting shall be the default value when the Receiver processes the request message.
* **hierarchical-address:** Representation of the address of the created resource. This shall be only valid for a Create operation. The address shall be in hierarchical address scheme.
* **hierarchical-address+attributes:** Representation of the addresss in hierarchical address scheme and assigned/modified attributes of the created resource. This shall be only valid for a Create operation.

- **attributes+child-resources:** Representation of the requested resource, along with a nested representation of all of its child resource(s) in line with any provided filter criteria as given in the ***Filter Criteria*** parameter shall be returned as content. If there are no filter cirteria parameter in the request message then all children are returned. For example, if the request is to retrieve a *<container>* resource that only has *<contentInstance>* children, the attributes of that *<container>* resource and arepresentation of all of its *<contentInstance>* child-resource(s) are provided. Optionally, when this setting of ***Result Content*** is used, the Originator may request to limit a maximum number of child resources. This setting shall be only valid for a Retrieve operation.

**- child-resources:** A nested representation of the requested resource’s child resource(s) shall be returned as content. The resources that are returned are subject to any filter criteria that are given in the ***Filter Criteria*** parameter (if there are no filter criteria then all children are returned). The attributes of the parent resource are not returned, but all the attributes of the children are returned. For example, if the request is to retrieve a *<container>* resource that only has *<contentInstance>* children, only a representation of all of its *<contentInstance>* child-resource(s) is provided. Optionally, whenthis setting of ***Result Content*** is used, the Originator may request to limit the response by a maximum number of child resources. This setting shall be only valid for a Retrieve operation.

* **attributes+child-resource-references:** Representation of the requested resource, along with the address(es) of the child resource(s), possibly limited by a maximum number of retrieved links, shall be returned as content. For example, if the request is to retrieve a *<container>* resource, the *<container>* resource and the address(es) of the *<contentInstance>* child-resource(s) are provided. This setting shall be only valid for a Retrieve operation.
* **child-resource-references:** Address(es) of the child resources, possibly limited by a maximum number of retrieved address(es), without any representation of the actual requested resource shall be returned as content. For example, if the request is to retrieve a *<container>* resource, only the address(es) of the *<contentInstance>* child-resource(s) is provided. This setting shall be only valid for a Retrieve operation.
* **nothing:** Nothing shall be returned as operational result content. This setting is not valid for a Retrieve operation. For example, if the request is to delete a resource, this setting indicates that the response shall not include any content.
* **original-**resource**:** Representation of the original resource pointed by the *link* attribute in the announced resource shall be returned as content, without the address(es) of the child resource(s). This setting shall be only valid for a Retreieve operation where the ***To*** parameter targets the announced resource.

### -----------------------End of change 1---------------------------------------------

CHECK LIST

* Does this change request include an informative introduction containing the problem(s) being solved, and a summary list of proposals.?
* Does this CR contain changes related to only one particular issue/problem?
* Have any mirror crs been posted?
* Does this change request make **all** the changes necessary to address the issue or problem? E.g. A change impacting 5 tables should not only include a proposal to change only 3 tables. Includes any changes to references, definitions, and acronyms in the same deliverable?
* Does this change request follow the drafting rules?
* Are all pictures editable?
* Have you checked the spelling and grammar?
* Have you used change bars for all modifications?
* Does the change include the current and surrounding clauses to clearly show where a change is located and to provide technical context of the proposed change? (Additions of complete sections need not show surrounding clauses as long as the proposed section number clearly shows where the new section is proposed to be located.)
* Are multiple changes in this CR clearly separated by horizontal lines with embedded text such as, start of change 1, end of change 1, start of new clause, end of new clause.?