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| CHANGE REQUEST |
| Meeting ID:\* | PRO 32.2 |
| Source:\* | Bob Flynn, Convida Wireless; Flynn.bob@convidawireless.com |
| Date:\* | 2018-01-14 |
| Reason for Change/s:\* | See Introduction |
| CR against: Release\* | Release 2 |
| CR against: WI\* | [ ]  Active <> [x]  MNT maintenance / < Work Item number(optional)>Is this a mirror CR? Yes [ ]  No [x] mirror CR number: (Note to Rapporteur - use latest agreed revision)[ ]  STE Small Technical Enhancements / < Work Item number (optional)>Only ONE of the above shall be ticked |
| CR against: TS/TR\* | TS-0004 Version 2.15.0 |
| Clauses \* |  |
| 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 |
| Impacted other TS/TR(s) | <TS/TR number>, <Version Number>, and <Description on which aspect should be reflected in this TS/TR> |
| Post Freeze checking:\* | This CR contains only essential changes and corrections? YES [x]  NO [ ] This CR may break backwards compatibility with the last approved version of the TS? YES [ ]  NO [x]  |
| Template Version: January 2017 (Do 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 separate “mirror CR” should be posted at the same time of this CR

Mirror CR: applies only when the text, including clause numbering are exactly the same.

Companion CR: applies when the change means the same but the baselines differ in some way (e.g. clause number).

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 clauses need not show surrounding clauses as long as the proposed clause number clearly shows where the new clause 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

LastModifiedTime -> InterOp #5 issue.

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

#### 7.3.3.5 Create the resource

If the Operation Execution Time is given in the request, the Hosting CSE should perform the following procedures at the time and shall not perform the procedures before the time.

A new resource shall be created with the ***lastModifiedTime*** attribute of the resource set to the same value as the ***creationTime*** attribute of the resource.

The following rules shall be applied:

* The structured resource identifier of the created resource shall be the identifier of its parent resource with the resourceName appended. (e.g. myCSE/myContainer, for an application resource with resourceName "myContainer" created in the parent resource myCSE).
* When configuring the *resourceName* attribute of the new resource, the Hosting CSE shall use the name provided in the *resourceName* attribute within the content of the request. The Hosting CSE shall first check for the presence of any resources having a *resourceName* attribute that matches the one specified in the request and that have the same parent as the new resource being created. If such a resource exists, then the Hosting CSE shall reject the request with a ***Response Status Code*** indicating "CONFLICT" error. If the *resourceName* is not provided in the request, the Hosting CSE shall generate and assign a name to the *resourceName* attribute of the new resource.
* If ***expirationTime*** attribute is present in the resource representation of the to be created resource and the expirationTime is set to a non-negative time, then an expiration timer shall be started by the Hosting CSE. At timer expiration the related resource is deleted by "Delete the addressed resource".
* Attributes of the parent resource shall be updated, if applicable. For example, the *currentByteSize* attribute of a <container> resource will be updated upon child <contentInstance> resource creation. An attribute update of a parent resource is resource type specific, so they are specified in clause 7.4.
* If the *creator* attribute is present in the resource representation, and is supported by the type of resource to be created, and is NULL, then the Hosting CSE shall include the *creator* attribute in the resource to be created. The Hosting CSE shall assign the *creator* attribute with a value equal to the value carried in the ***From*** request parameter. If the *creator* attribute is not present in the resource representation of the request, the Hosting CSE shall not include the *creator* attribute in the resource to be created.
* The Hosting CSE shall check if the created resource references an Application Entity Resource ID. If so the Hosting CSE shall send a Notify request primitive to the IN-CSE, requesting to add the entry to the <AEContactList> resource.

For setting the attributes in the resource representation the following rules shall apply in CREATE request primitives:

**M attribute for create request**

If the provided value is acceptable, the Hosting CSE shall use the provided value in the resource representation of the created resource.

**O attribute for create request**

If a value is provided and accepted, then the Hosting CSE shall use the provided value in the resource representation of the created resource.

If the attribute is not provided or accepted, but the multiplicity of the attribute is "1" in the resource, the Hosting CSE shall assign default value or assign value based on local policy, or the value of specified in clause 7.4.

If the attribute is not present in the resource representation in the CREATE request and the multiplicity of the attribute is "0..1" in the resource, the Hosting CSE shall create the resource without the attribute unless otherwise specified in resource type-specific procedures defined in clause 7.4.

**NP attribute for create request**

If the attribute is not present in the resource representation in the CREATE request, and the multiplicity of the attribute is "1" in the resource, then the Hosting CSE shall create the resource with the default value.

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

### -----------------------Start of change 2-------------------------------------------

#### 7.3.3.8 Delete the resource

If the Operation Execution Time is given in the request, the Hosting CSE should perform the following procedures at the time and shall not perform the procedures before the time.

The addressed resource with all its attributes shall be deleted. Any expiration timer shall be stopped. This same procedure shall be invoked (recursively) for each child resource of the deleted resource in case the child resource is only linked to the deleted resource.

If the resource is announced, the CSE shall try to de-announce the resource correspondingly.

If the deleted resource had a reference to an Application Entity Resource ID, the Hosting CSE shall send a Notify request primitive to the IN-CSE, requesting to delete the entry from the <AEContactList> resource.

### -----------------------End of change 2-------------------------------------------

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 include a proposal to change only 3 tables?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 clauses need not show surrounding clauses as long as the proposed clause number clearly shows where the new clause 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.?