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| CHANGE REQUEST |
| Meeting ID:\* | ARC 37 |
| Source:\* | Max Zhang, BOE, zhangqiancto@boe.com.cn |
| Date:\* | 2018-mm-dd |
| Reason for Change/s:\* | See introduction |
| CR against: Release\* | Release 3 |
| CR against: WI\* | [ ]  Active <Work Item number> [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-0001 3.12.0 |
| Clauses \* | 10.2.2.5 |
| 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-0004 |
| 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

In clause 10.2.2.5 Delete <AE>, it says:

*In case an <AE> resource hosted on a MN-CSE or ASN-CSE with AE-ID-Stem starting with "S" is requested to be deleted, the <AEAnnc> resource that was created on the IN-CSE during the initial registration of the associated Application Entity shall be updated with the value “INACTIVE” for the link attribute, indicating that the associated Application Entity is currently not registered. After this update of the <AEAnnc> resource is completed, the procedure for AE Deregistration shall follow the procedure described in 10.2.2.5.*

If the purpose is to indicate that the associated AE is currently not registered, the more appropriate way is to update the registrationStatus attribute instead of the link attribute. And the link attribute should be a URI type attribute according to TS-0004.

Additionly, updating the link attribute with the value “INACTIVE” may cause some sideeffects. For example, to delete an Announced Resource by the original resource Hosting CSE, one of the processing at the Receiver is to check if the address in From parameter in the DELETE request is included in the link attribute in the announced resource. But once the link attribute is set to the value “INACTIVE”, the From parameter in the request surely can not be included in this link attribute, as a result, to delete this announced resource using DELETE request can not be done.

It is proposed to replace “the link attribute” with “the registrationStatus attribute”.

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

#### 10.2.2.5 Delete *<AE>*

This procedure shall be used for deleting the *<AE>* resource with all related information.

Table 10.2.2.5-1: *<AE>* DELETE

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| *<AE>* DELETE |
| Associated Reference Point | Mca, Mcc and Mcc' |
| Information in Request message | All parameters defined in table 8.1.2-3 apply |
| Processing at Originator before sending Request | According to clause 10.1.5 |
| Processing at Receiver | According to clause 10.1.5 |
| Information in Response message | According to clause 10.1.5 |
| Processing at Originator after receiving Response | According to clause 10.1.5 |
| Exceptions | According to clause 10.1.5 |

Application Entity Deregistration is performed by requesting a Delete operation for the *<AE>* resource representing the Application Entity.

In case an *<AE>* resource hosted on a MN-CSE or ASN-CSE with AE-ID-Stem starting with "S" is requested to be deleted, the *<AEAnnc>* resource that was created on the IN-CSE during the initial registration of the associated Application Entity shall be updated with the value “INACTIVE” for the *registrationStatus* attribute, indicating that the associated Application Entity is currently not registered. After this update of the *<AEAnnc>* resource is completed, the procedure for AE Deregistration shall follow the procedure described in 10.2.2.5.

In case an <AE> resource with AE-ID-Stem not starting with "S" is requested to be deleted, the procedure for AE Deregistration follows the procedure described in clause 10.1.5.

### -----------------------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 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.?