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| CHANGE REQUEST |
| Meeting ID:\* | PRO 31 |
| Source:\* | Poornima, C-DOT, poornima@cdot.inSuman, C-DOT, ssheoran@cdot.inPrateek, C-DOT, prateekv@cdot.in  |
| Date:\* | 2017-08-02 |
| Reason for Change/s:\* | See the 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-0004 Version 3.3.0 |
| Clauses \* |  7.3.2.8 |
| 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 [ ]  |
| 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

The CR proposes changes in TS-0004 for AE/CSE registration forwarding correction.

Currently, if a registration request is sent by an AE then as per flow given in Resource Handling Procedures, we first check whether it’s a registration request and check SSP for it then we check whether we are the Hosting CSE for it. If we are not the Hosting CSE for this request then it can be forwarded.

With this flow, registration request may be forwarded to some other CSE, which should not happen as an AE must be registered to its immediate CSE.

In PRO 30.4, it was felt that corrections should not be made in figure as it should remain generic.

Thus the CR proposes correction in TS-0004, **Section 7.3.2.8 Check Hosting CSE of the targeted resource**  to handle the above mentioned case.

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

#### 7.3.2.8 Check Hosting CSE of the targeted resource

The Receiver shall check the ***To*** parameter of the request, depending upon the addressing modes in the request following handling shall be done:

***To* parameter with Absolute Resource ID representation :**

If the ***To*** parameter in the request starts with M2M-SP-ID(i.e Absolute Resource ID representation) but M2M-SP-ID in the ***To*** parameter is different from M2M-SP-ID of the receiver, then receiver is a transit CSE.

If the ***To*** parameter in the request starts with M2M-SP-ID (i.e Absolute Resource ID representation) of the receiver, but the CSE-ID in the ***To*** parameter is different from the CSE-ID of the receiver, then the receiver is a transit CSE.

If the ***To*** parameter in the request starts with M2M-SP-ID (i.e Absolute Resource ID representation) of the receiver, and the CSE-ID in the ***To*** parameter is same as CSE-ID of the receiver, then the receiver is the Hosting CSE.

***To* parameter with SP-Relative Resource ID representation:**

If the ***To*** parameter in the request starts with CSE-ID (i.e SP-Relative Resource ID representation) of the receiver, and the CSE-ID in the ***To*** parameter is different from CSE-ID of the receiver, then the receiver is a transit CSE.

If the ***To*** parameter in the request starts with CSE-ID (i.e SP-Relative Resource ID representation) of the receiver, and the CSE-ID in the ***To*** parameter is same as CSE-ID of the receiver, then the receiver is the Hosting CSE.

***To* parameter with CSE-Relative Resource ID representation:**

If the ***To*** parameter in the request doest not start with CSE-ID (i.e CSE-Relative Resource ID representation), then the receiver is the Hosting CSE.

When receiver is a transit CSE,

* if the request is an AE/CSE registration request, then the request is rejected with a ***Response Status Code*** indicating "BAD\_REQUEST" error.
* if the transit CSE is not able to receive asynchronous messages from the next-hop CSE, it shall set the ***Response Type*** in the forwarded request to blockingRequest, nonBlockingRequestSynch or flexBlocking without notification targets.
* either CMDH Message Forwarding (Recv-6.9) or Forwarding (Recv-6.10) shall apply as depicted in Figure 7.2.2.2-2 Resource handling procedure except for AE/CSE registration request.

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