**3GPP TSG-CT WG1 Meeting #133-eC1-21abcd**

**E-meeting, 11-19 November 2021 (was C1-217063)**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **24.546** | **CR** | **0011** | **rev** | **1** | **Current version:** | **17.0.0** |  |
|  |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* |
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| ***Proposed change affects:*** | UICC apps |  | ME | **x** | Radio Access Network |  | Core Network | **X** |

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| ***Title:***  | Addition of CoAP notifications procedure |
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| ***Source to WG:*** | Ericsson |
| ***Source to TSG:*** | C1 |
|  |  |
| ***Work item code:*** | eSEAL |  | ***Date:*** | 2021-11-04 |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***Release:*** | Rel-17 |
|  | *Use one of the following categories:****F*** *(correction)****A*** *(mirror corresponding to a change in an earlier release)****B*** *(addition of feature),* ***C*** *(functional modification of feature)****D*** *(editorial modification)*Detailed explanations of the above categories canbe found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | *Use one of the following releases:Rel-8 (Release 8)Rel-9 (Release 9)Rel-10 (Release 10)Rel-11 (Release 11)...Rel-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
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| ***Reason for change:*** | To introduce support for CoAP for SEAL Configuration Management, it is proposed to add CoAP alternative for notifications procedure, corresponding to SIP and HTTP alternatives. |
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| ***Summary of change:*** | CoAP alternative for event notifications procedure is added. |
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| ***Consequences if not approved:*** | SEAL CM does not support CoAP as required by stage 2. |
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| ***Clauses affected:*** | 6.2.2.2.X (new), 6.2.2.2.X.1 (new), 6.2.2.2.X.2 (new) |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  | TS/TR ... CR ...  |
| ***affected:*** |  | **X** |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

\* \* \* First Change \* \* \* \*

##### 6.2.2.2.X CoAP based procedures

###### 6.2.2.2.X.1 Client procedure

Upon receiving a CoAP 2.05 (Content) response that matches the extended CoAP GET request which initiated the subscription and which contains the Observe option, the SCM-C:

a) shall handle the response according to IETF RFC 7641 [ietf7641]; and

b) shall notify the VAL user about the modification of the configuration document.

\* \* \* Next Change \* \* \* \*

###### 6.2.2.2.X.2 Server procedure

In order to send a notification when the configuration document is modified, the SCM-S shall send a CoAP 2.05 (Content) response to SCM-C containing the modified document and the Observe option according to IETF RFC 7641 [ietf7641]. The Content-Format specified in a 2.xx notification shall be the same as the one used in the initial response to the GET request received for the subscription.

\* \* \* End of Changes \* \* \* \*