**3GPP TSG-CT WG1 Meeting #138-eC1-225996r1**

**E-Meeting, 10th – 14th October 2022**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
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|  |  | **CR** |  | **rev** |  | **Current version:** |  |  |
|  |
| *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:***  | 24.546 editorial corrections |
|  |  |
| ***Source to WG:*** | China Mobile |
| ***Source to TSG:*** | CT1 |
|  |  |
| ***Work item code:*** | eSEAL |  | ***Date:*** | 2022-09-26 |
|  |  |  |  |  |
| ***Category:*** | F |  | ***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-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19)* |
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| ***Reason for change:*** | Several different terms with the same meaning are used in TS24.546, e.g. SEAL configuration management client and SEAL Configuration Management Client. This CR is proposed to solve this issue. “Configuration Management Client” and “Configuration Management Server” is used for the SCM-C and SCM-S respectively; and “configuration management client”/“configuration management server” is used for the related capability/functionality.Some editorial changes are also proposed. |
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| ***Summary of change:*** | 24.546 terms alignmentBackwards compatibility analysis:The change doesn’t impact the behaviors or signallings. Thus there is no backwards compatible issue based on the change of this CR. |
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| ***Consequences if not approved:*** | Different terms with the same meaning are used in TS24.546. |
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| ***Clauses affected:*** | 3.1, 3.2, 4, 5.1, 5.2, 6.2.1.2, 6.2.2.2.2.2, 6.2.3.4, 6.2.4.4, 6.2.5.4 |
|  |  |
|  | **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 ...  |
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| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Change 1\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

## 3.2 Abbreviations

For the purposes of the present document, the abbreviations given in 3GPP TR 21.905 [1] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in 3GPP TR 21.905 [1].

MIME Multipurpose Internet Mail Extensions

SCM-C SEAL Configuration Management Client

SCM-S SEAL Configuration Management Server

SEAL Service Enabler Architecture Layer for Verticals

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Change 2\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

#### 6.2.1.2 Authenticated identity in CoAP request

Upon receiving a CoAP request, the SCM-S shall authenticate the identity of the sender of the CoAP request as specified in 3GPP TS 24.547 [5], and if authentication is successful, the SCM-S shall use the identity of the sender of the CoAP request as an authenticated identity.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Change 3\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

6.2.2.2.2.2 Sending group modify notification

Upon successful modification of VAL user profile document or VAL UE configuration document, the SCM-S sends a notification to SCM-C. The SCM-S:

a) shall check whether valid configuration update event subscription exists for event SUBSCRIBE\_USER\_PROFILE\_MODIFICATION (0x01) OR SUBSCRIBE\_UE\_CONFIG\_MODIFICATION (0x02) as defined in clause A.1.2 or not;

1) if valid subscription does not exist, shall skip rest of the steps;

b) shall generate an HTTP POST message to notify configuration update notification. In HTTP POST message:

1) shall set the request URI to call back URI received in the creating subscription procedure;

2) shall set the Content-Type header to "application/json"; and

3) shall include an HTTP request entity-body with the parameters specified in clause B.2 serialized into a JavaScript Object Notation (JSON) structure; and

c) shall send an HTTP POST request towards SCM-C.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Change 4\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

#### 6.2.3.4 SCM server CoAP procedure

Upon reception of a CoAP GET request where the CoAP URI of the request identifies UE Configurations resource as described in Annex C.3.1.2.2.3.1, the SCM-S:

a) shall determine the identity of the sender of the received CoAP GET request as specified in clause 6.2.1.2, and:

1) if the sender is not authorized to fetch the requested UE configuration document(s), shall respond with a CoAP 4.03 (Forbidden) response to the CoAP GET request and skip rest of the steps;

b) shall support handling a CoAP GET request from a SCM-C according to procedures specified in IETF RFC 7252 [12];

c) shall check if the resource exists for the given VAL service, and:

1) if the resource does not exist, shall return a 4.04 (Not found) response and skip rest of the steps; and

d) shall return a 2.05 (Content) response including all the UE configuration documents found for the given values of the query parameters defined in table C.3.1.2.2.3.1-1.

Upon reception of a CoAP GET request where the CoAP URI of the request identifies Individual UE Configuration resource as described in Annex C.3.1.2.3.3.1, the SCM-S:

a) shall determine the identity of the sender of the received CoAP GET request as specified in clause 6.2.1.2, and:

1) if the sender is not authorized to fetch the requested UE configuration document, shall respond with a CoAP 4.03 (Forbidden) response to the CoAP GET request and skip rest of the steps;

b) shall support handling a CoAP GET request from a SCM-C according to procedures specified in IETF RFC 7252 [12]; and

c) shall check if the resource pointed at by the CoAP URI exists and:

1) if it exists, shall return the UE configuration document in a 2.05 (Content) response; or

2) otherwise, shall return a 4.04 (Not found) response.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Change 5\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

#### 6.2.4.4 SCM server CoAP procedure

Upon reception of a CoAP GET request where the CoAP URI of the request identifies User Profiles resource as described in Annex C.2.1.2.2.3.1, the SCM-S:

a) shall determine the identity of the sender of the received CoAP GET request as specified in clause 6.2.1.2, and:

1) if the identity of the sender of the received CoAP GET request is not authorized to fetch requested user profile document(s), shall respond with a CoAP 4.03 (Forbidden) response to the CoAP GET request and skip rest of the steps;

b) shall support handling a CoAP GET request from a SCM-C according to procedures specified in IETF RFC 7252 [12]; and

c) shall check if the resource exists for the given VAL service, and:

1) if the resource does not exist, shall return a 4.04 (Not found) response and skip rest of the steps;

d) shall return a 2.05 (Content) response including all the user profile documents found for the given VAL user or VAL UE given in the query parameter.

Upon reception of a CoAP GET request where the CoAP URI of the request identifies Individual User Profile resource as described in Annex C.2.1.2.3.3.1, the SCM-S:

a) shall determine the identity of the sender of the received CoAP GET request as specified in clause 6.2.1.2, and:

1) if the identity of the sender of the received CoAP GET request is not authorized to fetch requested user profile document, shall respond with a CoAP 4.03 (Forbidden) response to the CoAP GET request and skip rest of the steps;

b) shall support handling a CoAP GET request from a SCM-C according to procedures specified in IETF RFC 7252 [12]; and

c) shall check if the resource pointed at by the CoAP URI exists and:

1) if it exists, shall return the user profile document in the 2.05 (Content) response; or

2) otherwise, shall return a 4.04 (Not found) response.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Change 6\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

#### 6.2.5.4 SCM server CoAP procedure

Upon reception of a CoAP PUT request where the CoAP URI of the request identifies Individual User Profile resource as described in Annex C.2.1.2.3.3.2, the SCM-S:

a) shall determine the identity of the sender of the received CoAP PUT request as specified in clause 6.2.1.2, and:

1) if the identity of the sender of the received CoAP PUT request is not authorized to update requested user profile document(s), shall respond with a CoAP 4.03 (Forbidden) response to the CoAP PUT request and skip rest of the steps;

b) shall support handling an CoAP PUT request from a SCM-C according to procedures specified in IETF RFC 7252  [12]; and

c) shall replace the user profile documents pointed at by the CoAP URI with the "ProfileDoc" received in the request.