**3GPP TSG-CT WG1 Meeting #146C1-240abc**

**Online, 22– 26 January 2024**

**Source: Huawei, HiSilicon**

**Title: Pseudo-CR on CoAP procedures for the SEALDD enabled signalling transmission connection release procedure**

**Spec: 3GPP TS 24.543 v1.0.0**

**Agenda item: 18.2.16**

**Document for: Agreement**

**1. Reason for Change**

The current version of the specifications contains editor’s notes about the specification of the CoAP client and server procedures for the SEALDD enabled signalling transmission connection release procedure. Those editor’s notes need to be resolved.

**2. Proposal**

It is proposed to agree the following changes to 3GPP TS 24.543 v1.0.0.

**3. Revision history**

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

#### 7.2.3.3 SDDM client CoAP procedure

In order to request the release of an SDDM regular data transmission connection to the SDDM-S, the SDDM-C shall send a CoAP DELETE request message to the SDDM-S according to procedures specified in IETF RFC 7252 [13]. In the CoAP DELETE request, the SDDM-C:

a) shall include a CoAP URI set to the URI corresponding to the identity of the SDDM-S as specified in clause A.3.1.1 with;

1) the "apiRoot" set to the SDDM-S URI; and

b) shall include Content-Format option set to "application/vnd.3gpp.seal-data-delivery-info+cbor";

c) shall include a "ReleaseRequest" object:

1) shall include a "sealClientId" attribute set to the identity of the SDDM-C;

2) shall include a "sealddFlowId" attribute set to the identity of the SDDM flow used by the SDDM-C and SDDM-S to identify the application traffic; and

c) shall send the request protected with the relevant ACE profile (OSCORE profile or DTLS profile) as described in 3GPP TS 24.547 [7].

Upon receiving a CoAP DELETE request where the CoAP URI of the CoAP DELETE request identifies the release resource as specified in Annex A, and containing:

a) a Content-Format option set to "application/vnd.3gpp.seal-data-delivery-info+cbor", and

b) a "ReleaseRequest" object;

the SDDM-C shall generate a CoAP DELETE response according to IETF RFC 7252 [13]. In the CoAP DELETE response message, the SDDM-C:

a) shall include a Content-Format option set to "application/vnd.3gpp.seal-data-delivery-info+cbor";

b) shall attempt to release the SDDM connection resource pointed at by the CoAP URI with the content of "ReleaseRequest" object received in the request and:

1) if successfully release, shall use the CoAP DELETE 2.02 (Deleted) response message; or

2) otherwise, shall include an error response in the CoAP DELETE response as specified in Annex A.3.1.2.2.3.2; and

c) shall send the CoAP DELETE response towards the SDDM-S.

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

#### 7.2.3.4 SDDM server CoAP procedure

Upon receiving a CoAP DELETE request where the CoAP URI of the CoAP DELETE request identifies the release resource as specified in Annex A.4.1.1, and containing:

a) a Content-Format option set to "application/vnd.3gpp.seal-data-delivery-info+cbor", and

b) a "ReleasetRequest" object;

the SDDM-S shall generate a CoAP DELETE response according to IETF RFC 7252 [13]. In the CoAP DELETE response message, the SDDM-S:

a) shall include a Content-Format option set to "application/vnd.3gpp.seal-data-delivery-info+cbor";

b) shall attempt to release the SDDM connection resource pointed at by the CoAP URI with the content of "ReleaseRequest" object received in the request and:

1) if successfully created, shall use the CoAP DELETE 2.02 (Deleted) response message; or

2) otherwise, shall include an error response in the CoAP DELETE response as specified in Annex A.4.1.2.2.3.2; and

c) shall send the CoAP DELETE response towards the SDDM-C.

In order to request the release of an SDDM regular data transmission connection to the SDDM-C, the SDDM-S shall send a CoAP DELETE request message to the SDDM-C according to procedures specified in IETF RFC 7252 [13]. In the CoAP DELETE request, the SDDM-S:

a) shall include a CoAP URI set to the URI corresponding to the identity of the SDDM-C as specified in clause A with;

1) the "apiRoot" set to the SDDM-C URI; and

b) shall include Content-Format option set to "application/vnd.3gpp.seal-data-delivery-info+cbor";

c) shall include an "ReleaseRequest" object:

1) shall include a "serverId" attribute set to the identity of the SDDM-S;

2) shall include a "sealddFlowId" attribute set to the identity of the SDDM flow used by the SDDM-C and SDDM-S to identify the application traffic; and

c) shall send the request protected with the relevant ACE profile (OSCORE profile or DTLS profile) as described in 3GPP TS 24.547 [7].

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