**3GPP TSG-SA WG6 Meeting #36-e S6-200393**

**E-meeting, 24th – 28th Feb 2020 (revision of S6-xxxxxx)**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **23.286** | **CR** | **0018** | **rev** | **1** | **Current version:** | **16.2.0** |  |
|  | | | | | | | | |
| *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 |  | Radio Access Network |  | Core Network | **X** |

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| ***Title:*** | Correction of the usage of SEAL services by the V2X application specific server | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei, Hisilicon | | | | | | | | | |
| ***Source to TSG:*** | S6 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | V2XAPP | | | | |  | ***Date:*** | | | 2020-02-17 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-16 |
|  | *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 can be 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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The V2X application specific server should be able to utlize the SEAL services via VAE server. Currently, the APIs exposed by SEAL services are only consumed by VAE server and the utilization of the SEAL services by the V2X application specific server is missing. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | In the VAE server APIs the APIs of the SEAL services are also included. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The V2X application specific server cannot consume SEAL services from VAE layer which are necessary for the V2X application specific server to work. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 10.2.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **N** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **N** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **N** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

### 10.2.1 General

Table 10.2.1-1 illustrates the VAE server APIs.

Table 10.2.1-1: List of VAE server APIs

|  |  |  |  |
| --- | --- | --- | --- |
| API Name | API Operations | Known Consumer(s) | Communication Type |
| VAE\_MessageDelivery API | Deliver\_DL\_Message | V2X application specific server | Request/ Response |
| Deliver\_UL\_Message | V2X application specific server | Subscribe/notify |
| VAE\_FileDistribution API | Distribute\_File | V2X application specific server | Request/ Response |
| VAE\_ApplicationRequirement API | Reserve\_NetworkResource | V2X application specific server | Subscribe/notify |
| VAE\_DynamicGroup API | Configure\_DynamicGroup | V2X application specific server | Request/Response |

The SEAL server(s) APIs available via SEAL-S reference point as specified in 3GPP TS 23.434 [6] are consumed by the V2X application specific server via the VAE server over the Vs reference point. When V2X application specific server invokes a SEAL server API via the VAE server over the Vs reference point, the VAE server shall interact with the corresponding SEAL server over the SEAL-S reference point for the API invocation request and response.

NOTE: The V2X application specific server acting as a VAL server can also directly access the SEAL server(s) APIs over SEAL-S reference point as specified in 3GPP TS 23.434 [6].

Editor's note: Whether the VAE\_DynamicGroup API is to be moved to SEAL is FFS.