**3GPP TSG-SA WG6 Meeting #42-bis-e S6-21xxxx**

**e-meeting, 12th – 20th April 2021 (revision of S6-210929)**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **23.286** | **CR** | **0058** | **rev** | **1** | **Current version:** | **17.1.0** |  |
|  | | | | | | | | |
| *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:*** | Alignment of information flows for local service information | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei, Hisilicon | | | | | | | | | |
| ***Source to TSG:*** | S6 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eV2XAPP | | | | |  | ***Date:*** | | | 2021-04-05 |
|  |  | | | |  | |  | | |  |
| ***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 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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Clause 9.10.5 specifies the procedure for local service discovery involving multiple VAE servers. The corresponding information flows have to be aligned with this capability. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Update the information flows for local service discovery. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Mis-alignment of information flows and procedure will exist. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 9.10.2.3, 9.10.2.3a (new), 9.10.2.4 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

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

#### 9.10.2.3 Local service information request (VAE client to VAE server)

Table 9.10.2.3-1 describes the information flow local service information request from the VAE client to the VAE server.

Table 9.10.2.3-1: Local service information request (VAE client to VAE server)

|  |  |  |
| --- | --- | --- |
| Information element | Status | Description |
| V2X UE ID | M | Identity of the V2X UE requesting the service discovery information. |
| GEO ID | M | Geographical area identifier for which the local service information is requested |

#### 9.10.2.3a Local service information request (between VAE servers)

Table 9.10.2.3a-1 describes the information flow local service information request between VAE servers.

Table 9.10.2.3a-1: Local service information request (between VAE servers)

|  |  |  |
| --- | --- | --- |
| Information element | Status | Description |
| V2X UE ID | O | Identity of the V2X UE requesting the service discovery information. |
| V2X UE location | M | The V2X UE location information for which the location service information is requested. |
| GEO ID | M | Geographical area identifier for which the local service information is requested |

#### 9.10.2.4 Local service information response

Table 9.10.2.4-1 describes the information flow local service information response from the VAE server to the VAE client and between VAE servers.

Table 9.10.2.4-1: Local service information response

|  |  |  |
| --- | --- | --- |
| Information element | Status | Description |
| Result | M | Indicates the success or failure of getting the local service information |
| Local service information | O (NOTE) | The local service information:  - V2X server USD information as specified in 3GPP TS 23.285 [5]  - V2X application server address information as specified in 3GPP TS 23.285 [5] and transport port for unicast  - V2X USD information as specified in 3GPP TS 23.285 [5] |
| NOTE: If the Result information element indicates failure then local service information IE is not included. | | |