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

**e-meeting, 12th – 20th April 2021 (revision of S6-210925)**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **23.286** | **CR** | **0054** | **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 | **x** | Radio Access Network |  | Core Network | **x** |

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| ***Title:***  | Editorial corrections for HDMap feature |
|  |  |
| ***Source to WG:*** | Huawei, Hisilicon |
| ***Source to TSG:*** | S6 |
|  |  |
| ***Work item code:*** | eV2XAPP |  | ***Date:*** | 2021-04-05 |
|  |  |  |  |  |
| ***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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
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| ***Reason for change:*** | The feature description in clause 9.16.1 is inaccurate. Hence, requires correction.. |
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| ***Summary of change:*** | Editorial update provided to clause 9.16.1 |
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| ***Consequences if not approved:*** | May cause confusion to the reader. |
|  |  |
| ***Clauses affected:*** | 9.16.1 |
|  |  |
|  | **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:*** |  |

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

### 9.16.1 General

The V2X application specific server can be responsible for managing HD maps and providing the HD map information to the V2X application specific client on V2X UE (e.g host vehicle controlled by advanced/remote driving). As per a proximity range set by the application layer, the VAE layer support providing the dynamic information (i.e. location information) required for HD maps management to the V2X application specific server.

This feature is feasible for scenarios where host vehicle (V2X UE) is in advanced/remote driving mode with slow to moderate speed and deployed in areas like campus (e.g. autonomous shuttle vehicles), factories or ports (e.g. autonomous/remotely controlled guided vehicles).

This feature utilizes the following procedures:

- V2X application specific server subscription for host vehicle's HD map dynamic information with VAE server.

- VAE server tracking host vehicle's UE location with support from SEAL's location management server.

- VAE server management of dynamic UE location based group.

- VAE server obtaining dynamic information from the UEs in proximity range of the host vehicle.

- VAE server notification of host vehicle's HD map dynamic information to V2X application specific server.

NOTE: The details of the usage (e.g. distribution to V2X UE) of HD maps by V2X application specific server is out of scope of this specification.