**3GPP TSG-SA WG6 Meeting #42-bis-e S6-210927**

**e-meeting, 12th – 20th April 2021 (revision of S6-21xxxx)**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **23.286** | **CR** | **0056** | **rev** | **-** | **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:***  | Requirements for message distribution |
|  |  |
| ***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 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 requirement for message distribution considering session-oriented service a.k.a pre-established session is to be included as agreed in the TR 23.764. |
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| ***Summary of change:*** | Added the requirement. |
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| ***Consequences if not approved:*** | Architectural requirement for message distribution will be missing. |
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| ***Clauses affected:*** | 4.5.2 |
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|  | **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 ...  |
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| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

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

### 4.5.2 Requirements

[AR-4.5.2-a] The VAE server shall provide a mechanism to distribute V2X messages to all registered receivers in targeted geographical areas.

[AR-4.5.2-b] The VAE server shall enable the delivery of several V2X messages over the same connection.

[AR-4.5.2-c] The VAE client shall have the capability to register to V2X messages within one or more geographical area.

[AR-4.5.2-d] The VAE server shall have the capability to only forward V2X messages to authorized V2X UEs in target geographical areas.

[AR-4.5.2-e] The VAE server shall provide a mechanism for priority support of different V2X messages (e.g. safety message).

[AR-4.5.2-f] The VAE capabilities shall support the transmission of V2X messages from the V2X UE to the V2X application server.

[AR-4.5.2-g] The VAE layer shall provide a mechanism to support session-oriented service to enable the delivery of V2X messages based on pre-established sessions.