**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 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:*** | | 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 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 \* \* \* \*

### 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.