**3GPP TSG-CT WG1 Meeting #129-eC1-212349**

**Electronic meeting, 19-23 April 2021**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **24.486** | **CR** | **0075** | **rev** | **-** | **Current version:** | **16.3.0**  |  |
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| *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:***  | VAE client initiated on network dynamic group information update procedure |
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| ***Source to WG:*** | Huawei, Hisilicon |
| ***Source to TSG:*** | C1 |
|  |  |
| ***Work item code:*** | eV2XAPP |  | ***Date:*** | 2021-04-08 |
|  |  |  |  |  |
| ***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-12 (Release 12)**Rel-13 (Release 13)Rel-14 (Release 14)Rel-15 (Release 15)Rel-16 (Release 16)* |
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| ***Reason for change:*** | The specification needs to define the stage 3 details of the VAE client initiated on network dynamic group information update procedure defined in 3GPP TS 23.286 clause 9.12.6.2. |
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| ***Summary of change:*** | 1. Add the VAE client initiated on network dynamic group information update procedure. |
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| ***Consequences if not approved:*** | The VAE client initiated on network dynamic group information update procedure is missing |
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| ***Clauses affected:*** | 6.8.X(New) |
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|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  | TS/TR ... CR ...  |
| ***affected:*** |  | **X** |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

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

## 6.8.X VAE client initiated on network dynamic group information update procedure

#### 6.8.X.1 Client procedure

In oder to update dynamic group information of an on-network V2X dynamic group, the VAE-C shall generate an HTTP POST request according to procedures specified in IETF RFC 2616 [19]. In the HTTP POST request, the VAE-C:

a) shall set the Request-URI to the URI included in the <message-reception-uri> element in the received HTTP POST request message for the V2X service discovery procedure (see clause 6.6);

b) shall include a Content-Type header field set to "application/vnd.3gpp.vae-info+xml"; and

c) shall include an application/vnd.3gpp.vae-info+xml MIME body with a <dynamic-group-info-update-info> element included in the <VAE-info> root element which:

1) shall include a <dynamic-group-info> element which shall include at least one of the followings;

i) a <dynamic-group-id> element set to the identity of the dynamic group;

ii) a <group-definition> element set to information about the V2X group; and

iii) a <group-leader-id> element set to the identity of the new group leader; and

2) shall include an <endpoint-info> element set to the end point information to which response has to be sent;

d) shall send the HTTP POST request towards the VAE-S according to IETF RFC 2616 [19].

#### 6.8.X.2 Server procedure

Upon receiving an HTTP POST request message containing:

a) a Content-Type header field set to "application/vnd.3gpp.vae-info +xml"; and

b) an application/vnd.3gpp.vae-info+xml MIME body with an <dynamic-group-info-update-info> element in the <VAE-info> root element;

the VAE-S:

a) shall check for the V2X user authorization to update the group information, and

 1) if the authorization fails or if the updated group information is not valid, respond with a HTTP 403 (Forbidden) response to the HTTP POST request and skip rest of the steps;

b) if the update in group information requires consent from other group member(s), shall obtain the consent from the user as specified in clause 6.8.XXX;

c) shall generate an HTTP 200 (OK) response according to IETF RFC 2616 [19]. In the HTTP 200 (OK) response message, the VAE-S:

1) shall include a Content-Type header field set to "application/vnd.3gpp.vae-info+xml";

2) shall include an application/vnd.3gpp.vae-info+xml MIME body with a <dynamic-group-info-update-info> element in the <VAE-info> root element which:

i) shall include a <result> child element set to the value "success" or "failure" indicating success or failure of the Dynamic group information update request;

Editor’s note: Suggestions for the updated group information is FFS.

d) shall send the HTTP 200 (OK) response towards the VAE-C; and

e) shall update the group document as specified in clause 6.2.5.1 of TS 24.544 [9].

\* \* \* End of Change \* \* \* \*