**3GPP TSG-SA WG6 Meeting #42-bis-e S6-210860\_r1**

**e-meeting, 12th – 20th April 2021 (revision of S6-210860)**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** |  | **rev** | **1** | **Current version:** |  |  |
|  | | | | | | | | |
| *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:*** | Group list fetch procedure | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Samsung | | | | | | | | | |
| ***Source to TSG:*** | S6 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eSEAL | | | | |  | ***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 solution#4 of TR 23.700-24 provides group list fetch procedure. **6.4.7 Solution description for group list fetch using SEAL** This solution addresses issues related to synchronization of group information between UE and SEAL Group management server. As specified in KI#8, the UE may be offline or in Power Saving Mode and may not be aware about newly created or deleted MSGin5G groups in which the UE/User is a member. In this procedure, the MSGin5G Client request to list of groups is handled by the SEAL client, when the group management is using SEAL as specified in 3GPP TS 23.434 [9].  Further, it has been concluded to use solution#4 as baseline solution for technical specification:  …  *10) The solution 4 addressing the Group Management aspects will be used as the baseline solution for technical specification with necessary enhancements.* | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Information flows and the procedure for group list fetch have been provided | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The UE will be unaware of the newly created or deleted groups when in power saving or off-line mode. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 10.3.2.x (NEW), 10.3.2.y (NEW), 10.3.z (NEW) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 \* \* \* \*

#### 10.3.2.x Group list fetch request

Table 10.3.2.x-1 describes the information flow for Group list fetch request from the group management client to the group management server.

Table 10.3.2.x-1: Group list fetch request

|  |  |  |
| --- | --- | --- |
| Information element | Status | Description |
| Identity | M | The identity of the VAL UE or VAL User performing the operation. |
| Period | O | Indicates to the group management server to provide list of the groups created between specified period. |

#### 10.3.2.y Group list fetch response

Table 10.3.2.y-1 describes the information flow for Group list fetch response from the group management server to the group management client.

Table 10.3.2.y-1: Get group list fetch response

|  |  |  |
| --- | --- | --- |
| Information element | Status | Description |
| Result | M | Result from the group management server in response to group list fetch request indicating success or failure |
| VAL group IDs | M | The list of VAL groups for which the VAL User is a member |

\* \* \* Next Change \* \* \* \*

### 10.3.z Group List Fetch

Figure 10.3.z-1 illustrates the group list fetch operations to fetch list of groups by the group management client.

Pre-conditions:

1) Group is previously defined on the group management server including the list of users.

2) List of groups to which a VAL UE/ VAL User belongs to is known to the Group management server for each of the VAL UE/ VAL User.

3) VAL user has not received group announcement message as it was offline previously.



Figure 10.3.z-1: Group list fetch

1) The VAL client requests group management client to provide the list of groups in which the VAL UE or VAL User is a member.

2) The group management client initiates the group list fetch request towards the Group management server. The information elements described in clause 10.3.2.x are included in the group list fetch request.

3) The group management server checks the authorization of group list subscribe request and if authorized, sends the group list fetch response containing list of groups in which the VAL user is member. The information elements described in clause 10.3.2.y are included in the group list fetch response.

4) The group management client notifies the list of groups to the VAL client.

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