**3GPP TSG-SA WG6 Meeting #48-e S6-220643 rev1**

**e-meeting, 5th – 14th April 2022 (revision of S6-22xxxx)**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** |  | **rev** |  | **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:*** | update of MSGin5G group management | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | China Mobile | | | | | | | | | |
| ***Source to TSG:*** | S6 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** |  | | | | |  | ***Date:*** | | |  |
|  |  | | | |  | |  | | |  |
| ***Category:*** | B |  | | | | | ***Release:*** | | | Rel-18 |
|  | *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 group management features in 3GPP TS23.434 are updated in eSEAL WID. Some features, e.g. Group deletion can be used in MSGin5G Service. This CR is proposed to introduce these features. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | update of MSGin5G group management | | | | | | | | |
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| ***Consequences if not approved:*** | | New features in SEAL can not be used by MSGin5G service. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 8.10.3.1 and 8.10.3.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

### \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Change 1\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

### 8.10.3 Group management service

#### 8.10.3.1 General

The MSGin5G Service functional entities MSGin5G Client and MSGin5G Server utilize SEAL Client and SEAL Server for the group management service (e.g. creation, join, leave) on the group configuration information (e.g. group join policy, group leader) provided by the MSGin5G Server. The decisions and corresponding triggers (e.g. group creation, join, leave and deletion) for group management are responsibility of the application leveraging MSGin5G Service. The group management service of SEAL provides support for creating group for MSGin5G Service for applications leveraging MSGin5G Service.

#### 8.10.3.2 Information flows

Editor's note: The reference to information flows of group management procedures as specified in 3GPP TS 23.434 [5] are FFS.

#### 8.10.3.3 Procedures

The following procedures of group management service of SEAL as specified in 3GPP TS 23.434 [5] are applicable for the MSGin5G Service:

- Group creation specified in clause 10.3.3;

-- Subsequent to Step 3, when the identity list with the list of VAL user IDs or VAL UE IDs that are part of the created group contain the list of VAL user IDs or VAL UE IDs which does not have group management client (e.g. Legacy 3GPP UEs, Non-3GPP UEs or Application Server), it is responsibility of the VAL server (MSGin5G Server) to initiate the group creation notification towards those UEs.

- Group configuration management specified in clause 10.3.6;

- Group membership update specified in clause 10.3.5.2.

- Group deletion specified in clause 10.3.13.

Editor's note: Whether MSGin5G Service endpoints can dynamically join and leave group is FFS.

#### 8.10.3.4 APIs

The following APIs of group management service of SEAL as specified in 3GPP TS 23.434 [5] are applicable for the MSGin5G Service:

- SS\_GroupManagement API specified in clause 10.4.2;

- SS\_Group\_Management\_Event API specified in clause 10.4.5.