**3GPP TSG-SA WG6 Meeting #42-bis-e S6-211085**

**e-meeting, 12th – 20th April 2021 (revision of S6-211001)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **23.434** | **CR** | **0049** | **rev** | **2** | **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:*** | Update to GMS APIs | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | TD-Tech | | | | | | | | | |
| ***Source to TSG:*** | S6 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eSEAL | | | | |  | ***Date:*** | | | 2021-04-21 |
|  |  | | | |  | |  | | |  |
| ***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 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 API operation definitions for location-based group creation as specified in clause 10.3.2.34 is required. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Added the missing information flow and the API operation | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | These API operations will not be available. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 10.3.2.34, 10.3.2.x (new), 10.4.1, 10.4.2.x (new) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 \* \* \* \*

#### 10.3.2.34 Location-based group creation request

Table 10.3.2.34-1 describes the information flow location-based group creation request from the group management client or VAL server to the group management server.

Table 10.3.2.34-1: location-based group creation request

|  |  |  |
| --- | --- | --- |
| Information element | Status | Description |
| Requester Identity | M | The identity of the group management client performing the request. |
| Location criteria | M | Criteria to combine Users or UEs in a location. |
| VAL service ID list (see NOTE 1) | O | List of VAL services whose service communications are to be enabled on the group. |
| VAL service specific information (NOTE 2) | O | Placeholder for VAL service specific information |
| NOTE 1: This information element shall be included in the message for creating a group configured for multiple VAL services.  NOTE 2: The details of this information element are specified in VAL service specific specification and are out of scope of the present document. | | |

#### 10.3.2.x Location-based group creation response

Table 10.3.2.x-1 describes the information flow location-based group creation response from the group management server to the group management client or VAL server.

Table 10.3.2.x-1: Location-based group creation response

|  |  |  |
| --- | --- | --- |
| Information element | Status | Description |
| VAL group ID | M (NOTE) | VAL group ID of the group |
| Result | M | Indicates the success or failure for the operation |
| NOTE: If the Result information element indicates failure then the value of VAL group ID information element has no meaning. | | |

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

### 10.4.1 General

Table 10.4.1-1 illustrates the SEAL APIs for group management.

Table 10.4.1-1: List of SEAL APIs for group management

|  |  |  |  |
| --- | --- | --- | --- |
| API Name | API Operations | Known Consumer(s) | Communication Type |
| SS\_GroupManagement | Query\_Group\_Info | VAL server | Request /Response |
| Create\_LocationBasedGroup\_Info | VAL server | Request/Response |
| Update\_Group\_Info | VAL server | Request /Response |
| SS\_GroupManagementEvent | Subscribe\_ Group\_Info\_Modification | VAL server | Subscribe/Notify |
| Notify\_Group\_Info\_Modification | VAL server |
| Notify\_Group\_Creation | VAL server |

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

#### 10.4.2.x Create\_LocationBasedGroup\_Info operation

**API operation name:** Create\_LocationBasedGroup\_Info

**Description:** Create location-based group

**Known Consumers:** VAL server.

**Inputs:** See subclause 10.3.2.34

**Outputs:** See subclause 10.3.2.x

See subclause 10.3.7 for the details of usage of this API operation.