**3GPP TSG-CT WG1 Meeting #134-eC1-22xxxx**

**E-Meeting, 17th – 25th February 2022 was C1-223192**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.544** | **CR** | **0022** | **rev** | **1** | **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:*** | Server side of temporary groups procedure | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei, Hisilicon | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eSEAL | | | | |  | ***Date:*** | | | 2022-02-08 |
|  |  | | | |  | |  | | |  |
| ***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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Stage 2 has approved S6-202362 to add temporary groups procedure. The specification therefore needs to define server side of temporary groups procedure. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | 1. Add the server side of temporary groups procedure. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The server side of temporary groups procedure is missing. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.2.X.2(New), A.Y.2(New), B.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 \* \* \* \*

#### 6.2.X.2 Server HTTP procedure

Upon receiving an HTTP POST request from SGM-S where the Request-URI of the HTTP POST request contains "/temporary-groups", the SGM-S:

a) shall determine the identity of the sender of the received HTTP POST request as specified in clause 6.2.1.1, and:

1) if the identity of the sender of the received HTTP POST request is not authorized user, shall respond with an HTTP 403 (Forbidden) response to the HTTP POST request and skip rest of the steps; and

b) shall check whether any of the received VAL group IDs is a temporary group, and:

1) if any of the received VAL group IDs is a temporary group, shall respond with an HTTP 403 (Forbidden) response to the HTTP POST request and skip rest of the steps; and

2) else shall create and store the received parameters in the HTTP POST request message;

c) shall notify the VAL server regarding the temporary group creation with the received parameters; and

d) shall generate an HTTP POST request message. In the HTTP POST request:

1) shall set the request URI to the URI of the SGM-C received at the time of creating groups;

2) shall include the parameters specified in clause B.Z serialized into a JavaScript Object Notation (JSON) structure as specified in IETF RFC 7159 [10]; and

3) shall send the HTTP POST request to every SGM-C of the constituent VAL groups.

Upon receiving an HTTP 200 (OK) message contains only one parameter of VAL Group Id, the SGM-S shall send an HTTP 200 (OK) response to SGM-C. In the response, the SGM-S shall include the parameters specified in clause A.Y.2 serialized into a JavaScript Object Notation (JSON) structure as specified in IETF RFC 7159 [10];

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

### A.Y.2 Server side parameters

The SGM-S shall convey the following parameters while sending response to the request of forming a temporary group.

**Table A.Y.2-1: Server side parameters for response to form a temporary group**

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| VAL Group Id | OPTIONAL. Represents the VAL group ID of the temporary group. |
| VAL Service Ids | OPTIONAL. Represents the list of VAL services whose service communications are to be enabled on this temporary group. |
| Result | REQUIRED. Represents success or failure of the temporary group formation |

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

## B.Z Temporary group formation notification

The SGM-S shall convey the following parameters while sending temporary group formation notification to SGM-C.

**Table B.Z-1: Parameters for temporary group formation notification**

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| VAL Group Ids | REQUIRED. Represents the list of constituent VAL group IDs. |
| VAL Group Id | REQUIRED. Represents the VAL group ID of the temporary group. |

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