**3GPP TSG-SA WG6 Meeting #50-e  *S6-222329***

**e-meeting, 22nd – 31st August 2022**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **23.554** | **CR** | **0056** | **rev** | **1** | **Current version:** | **18.0.0** |  |
|  | | | | | | | | |
| *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:*** | Correction to clause 8.1.3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | one2many | | | | | | | | | |
| ***Source to TSG:*** | S6 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5GMARCH\_Ph2 | | | | |  | ***Date:*** | | | 2022-08-18 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The title of the clause and the introductory description basically place the clause out of scope.  Furthermore, the text expects a Non-MSGin5G UE to interact with the Message Gateway to initiate registration, which is not necessarily correct if the UE is a downlink-only UE. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Change of the clause title and removal of the out-of-scope part of the introductory text. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Unclear specification. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 8.1.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | The changes in the present CR are applied over some of the changes in S6-221960, which was agreed in SA6-49e-bis. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Rev 1 of the CR contains the relevant changes from the agreed text in S6-221960, which are revised by the present CR. | | | | | | | | |

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

### 8.1.3 Message Gateway Configuration

The Message Gateway performs the configuration procedure on behalf of the Non-MSGin5G UE to get the MSGin5G Service configuration information (e.g. UE Service ID).

NOTE 1: All the necessary service information (including the UE Service ID) of a Non-MSGin5G UE can be pre-configured with the Message Gateway.

In the Message Gateway configuration procedure, the Message Gateway acts as Configuration management client specified in 3GPP TS 23.434 [5] on behalf of each Non- MSGin5G UE.

The following steps of configuration management service may apply for the Message Gateway:

- Send the Get VAL UE configuration request specified in clause 11.3.2.1 of 3GPP TS 23.434 [5];

- Receive the related Get VAL UE configuration response specified in clause 11.3.2.2 of 3GPP TS 23.434 [5];

The usage of the above information flows is clarified as below:

- An Information Element contains both Non-MSGin5G UE ID and MGW Service ID works as VAL UE ID which is mandatory in the Get VAL UE configuration request;

NOTE 2: The Non-MSGin5G UE ID may differ among different VALs and may not unique among different Gateways. It is not enough to use only Non-MSGin5G UE ID as VAL UE ID.

- The UE Service ID works as VAL user ID;

- The service identifier of MSGin5G Service works as VAL service ID;

Besides the IEs specified in clause 11.3.2.1 of 3GPP TS 23.434 [5], the information in table 8.1.3-1 is also included in the Get VAL UE configuration request.

Table 8.1.3-1: Additional Information in the Get VAL UE configuration request

|  |  |  |
| --- | --- | --- |
| Information element | Status | Description |
| Non-MSGin5G UE information | O | Other information needed by the configuration procedure. (see NOTE) |
| NOTE: The information can be the device type, device Vendor, etc. It is specified by application provider or MSGin5G Service provider and is out of scope of this document. The MSGin5G Service provider can configure the Non-MSGin5G UE with different configuration data based on this IE. E.g. all sensors can be configured to a same MSGin5G Server. | | |

The information in table 8.1.3-2 is included in the Get VAL UE configuration response as a part of VAL UE configuration data.

Table 8.1.3-2: Information in the Get VAL UE configuration response

|  |  |  |
| --- | --- | --- |
| Information element | Status | Description |
| UE Service ID | M | UE service ID assigned to the requesting Non-MSGin5G UE. |
| MSGin5G Server address | M | The MSGin5G Server which serves this MSGin5G UE. |
| MSGin5G Service specific information | O | The specific information of the MSGin5G Service specified by the MSGin5G Service provider. (see NOTE) |
| NOTE: E.g. the segment size of MSGin5G message in this service provider, the detailed definition is out of scope of this document. | | |

Besides the functionalities of Configuration Management Server specified in 3GPP TS 23.434 [5], the MSGin5G Configuration Function should also check whether the MSGin5G UE ID (i.e. VAL UE ID) is included in a former Get VAL UE configuration request.

- If so, the MSGin5G Configuration Function included the UE Service ID assigned to the MSGin5G UE in the former configuration procedure as a part of VAL UE configuration data,

- Otherwise, a new UE Service ID is assigned to the MSGin5G UE and included in the VAL UE configuration data.

Then the MSGin5G Configuration Function processes the configuration request according to the service policy.