**3GPP TSG-SA WG6 Meeting #47-e S6-220153**

**e-meeting, 14th – 22nd February 2022 (revision of S6-220153)**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **23.558** | **CR** | **0080** | **rev** | **1** | **Current version:** | **17.2.0** |  |
|  | | | | | | | | |
| *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 |  | Radio Access Network |  | Core Network | **X** |

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|  | | | | | | | | | | |
| ***Title:*** | Update EDGE UE ID in UE ID API | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | S6 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | EDGEAPP | | | | |  | ***Date:*** | | | 2022-01-23 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | EDGE UE ID was defined in UE ID API, said to be used by EAS to invoke EDGE-3 APIs identifying a single UE, but all other EDGE-3 APIs use “UE ID”, the inconsistency should be solved.  e.g. should not used with etc. in the same sentence (in table 8.6.5.3.2-1). | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Change EDGE UE ID to UE ID in UE ID API  Reword the description for User information in Table 8.6.5.3.2-1. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Incorrect expression. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 8.6.5.1, 8.6.5.2, 8.6.5.3.2, 8.6.5.3.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 \* \* \* \*

#### 8.6.5.1 General

EES exposes UE Identifier API to the EAS in order to provide an identifier uniquely identifying a UE. This API is used by an EAS to obtain the identifier of the UE if the EAS does not have it. This identifier, called UE ID, is used by the EAS to invoke capability APIs specific to UEs over EDGE-3.

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

#### 8.6.5.2 Procedure

Figure 8.6.5.2-1 illustrates the interactions between the EES and the EAS.

Pre-conditions:

1. The EAS is authorized to discover and to use UE Identifier API provided by the EES.



Figure 8.6.5.2-1: UE Identifier API

1. The EAS invokes UE Identifier API exposed by the EES

2. The EES uses the received user information in the step 1 (e.g. IP address) and obtains the UE identifier.

Editor's note: How the EES determines the UE ID is FFS. This may be based on for e.g. pre-configurations, an interaction with the 3GPP core network, or the EEC.

3. The EES provides the obtained UE identifier as UE ID to the EAS. The UE ID is specific to the given EAS and may be assigned by the EES or the 3GPP Network.

Editor's note: [SA3] Whether and how user's consent is obtained to share the UE identifier with a particular EAS is SA3's responsibility.

4. The EAS uses the UE ID received in step 3 to invoke capability exposure API(s) provided by the EES over EDGE-3.

The EES can provide an updated UE ID to the EAS if the UE ID has changed due to privacy reason (e.g., change of GPSI).

The EES can also invalidate an UE ID, previously provided to an EAS, if there is no need to support the UE ID for capability exposure API(s) anymore.

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

##### 8.6.5.3.2 UE Identifier API request

Table 8.6.5.3.2-1: UE Identifier API request

|  |  |  |
| --- | --- | --- |
| Information element | Status | Description |
| User information | M | Information about the User or UE available in the EAS, e.g. ACR (Anonymous Customer Reference as specified in OMA-TS-REST\_NetAPI\_ACR [16]) or the IP address. |
| Security Credentials | M | Security credentials of the EAS. |

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

##### 8.6.5.3.3 UE Identifier API response

Table 8.6.5.3.3-2: UE Identifier API response

|  |  |  |
| --- | --- | --- |
| Information element | Status | Description |
| Successful response | O | Indicates that the UE identifier request was successful. |
| > UE ID | M | Identifier uniquely identifying the UE. |
| Failure response | O | Indicates that the UE identifier request failed. |
| > Cause | O | Indicates the cause of UE identifier request failure |

\* \* \* End of Changes \* \* \* \*