**3GPP TSG-CT3 Meeting #121-e C3-222360**

**E-Meeting, 6th – 12th April 2022** *(revision of C3-22xxxx)*

**Source: Samsung**

**Title: Pseudo-CR on UserInfomation update for Eees\_UEIdentifier API**

**Spec: 3GPP TS 29.558 v1.4.0**

**Agenda item: 17.9**

**Document for: Decision**

**1. Introduction**

This pCR proposes to update the UserInformation data type in Eees\_UEIdentifier API, to address the below ENs.

Editor’s Note: The definition of UserInformation data type is FFS and to be aligned with the SA2 defined service on fetching UE Identifier.

Editor’s Note: Reference to "acr" attribute details is FFS and to be updated based on the alignment with SA2 defined service for fetching UE Identifier.

1. Changes to UserInformation data type, based on the agreed CRs (C3-221586, C3-221587, C3-221588) for AF specific UE ID retrieval service.
2. Some alignments related to AF specific UE ID retrieval procedure in stage 2, TS 23.502. Like, IP address and MAC address are needed when Eees\_UEIdentifier API invokes the AF specific UE ID retrieval service of NEF.
3. As per SA6 TS 23.558, ACR information is also present in the UE identifier request from EAS. And SA2 procedures don’t mention about ACR. Hence, the API data model is aligned to SA6 TS 23.558. The related EN is removed.

**2. Reason for Change**

Update UserInformation data type and resolve the outstanding ENs aligning to Stage 2.

**3. Conclusions**

<Conclusion part (optional)>

**4. Proposal**

It is proposed to agree the following changes to 3GPP TS 29.558 v.1.4.0.

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

# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non‑specific.

- For a specific reference, subsequent revisions do not apply.

- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2] 3GPP TS 23.558: "Architecture for enabling Edge Applications".

[3] Open API: "OpenAPI Specification Version 3.0.0.", <https://spec.openapis.org/oas/v3.0.0>.

[4] 3GPP TR 21.900: "Technical Specification Group working methods".

[5] 3GPP TS 29.501: "5G System; Principles and Guidelines for Services Definition; Stage 3".

[6] 3GPP TS 29.122: "T8 reference point for Northbound Application Programming Interfaces (APIs)".

[7] IETF RFC 6455: "The Websocket Protocol".

[8] 3GPP TS 29.571: "5G System; Common Data Types for Service Based Interfaces; Stage 3".

[9] 3GPP TS 29.510: "5G System; Network Function Repository Services; Stage 3".

[10] 3GPP TS 29.522: "5G System; Network Exposure Function Northbound APIs; Stage 3".

[11] 3GPP TS 29.572: "5G System; Location Management Services; Stage 3".

[12] 3GPP TS 29.520: "5G System; Network Data Analytics Services; Stage 3".

[13] 3GPP TS 29.523: "5G System; Policy Control Event Exposure Service; Stage 3".

[14] 3GPP TS 24.558: "Enabling Edge Applications; Protocol specification".

[15] 3GPP TS 29.214: "Policy and charging control over Rx reference point".

[16] 3GPP TS 29.514: "5G System; Policy Authorization Service; Stage 3".

[17] 3GPP TS 29.222: "Common API Framework for 3GPP Northbound APIs".

[18] 3GPP TS 33.122: "Security Aspects of Common API Framework for 3GPP Northbound APIs".

[19] IETF RFC 6749: "The OAuth 2.0 Authorization Framework".

[rOMA] OMA-TS-REST\_NetAPI\_ACR: "RESTful Network API for Anonymous Customer Reference Management"

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

#### 8.3.5.1 General

This clause specifies the application data model supported by the API. Data types listed in clause 7.2 apply to this API

Table 8.3.5.1-1 specifies the data types defined specifically for the Eees\_UEIdentifier API service.

Table 8.3.5.1-1: Eees\_UEIdentifier API specific Data Types

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Section defined | Description | Applicability |
| UserInformation | 8.3.5.2.2 | Information about the User or the UE, that used by EES to determine the UE identifier. |  |

Table 8.3.5.1-2 specifies data types re-used by the Eees\_UEIdentifier API service.

Table 8.3.5.1-2: Re-used Data Types

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Reference | Comments | Applicability |
| Gpsi | 3GPP TS 29.571 [8] | Used to identify the UE in the query parameter, for which location information is queried. |  |
| IpvAddr | 3GPP TS 29.571 [8] | IP address of the UE. |  |
| MacAddr48 | 3GPP TS 29.571 [8] | MAC address of the UE. |  |
| Dnn | 3GPP TS 29.571 [8] | Identifies a DNN. |  |
| Snssai | 3GPP TS 29.571 [8] | Identifies the S-NSSAI. |  |

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

##### 8.3.5.2.2 Type: UserInformation

Table 8.3.5.2.2-1: Definition of type UserInformation

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| acr | string | O | 0..1 | Anonymous Customer Reference as specified in OMA-TS-REST\_NetAPI\_ACR [rOMA]. (NOTE) |  |
| easId | string | M | 1 | Identifier of the EAS requesting the UE Identifier information. |  |
| ipAddr | IpAddr | O | 0..1 | IPv4 address of the UE. (NOTE) |  |
| macAddr | MacAddr48 | O | 0..1 | MAC address of the UE. (NOTE) |  |
| dnn | Dnn | O | 0..1 | Identifies a DNN, a full DNN with both the Network Identifier and Operator Identifier, or a DNN with the Network Identifier only |  |
| snssai | Snssai | O | 0..1 | Indicates the S-NSSAI. |  |
| NOTE: One of the parameters (acr, ipAddr, macAddr) shall be included. | | | | | |

Editor’s Note: The definition of UserInformation data type is FFS and to be aligned with the SA2 defined service on fetching UE Identifier.

Editor’s Note: Reference to "acr" attribute details is FFS and to be updated based on the alignment with SA2 defined service for fetching UE Identifier.

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