**3GPP TSG-CT WG3 Meeting #116eC3-213327**

**E-Meeting, 19th – 28th May 2021** (Revision of C3-213268)

**Source: Samsung**

**Title: Pseudo-CR on Miscellaneous alignments**

**Spec: 3GPP TS 29.558 v0.3.0**

**Agenda item: 17.9**

**Document for: Decision**

**1. Introduction**

The EES profile is updated in TS 23.558 (clause 8.2.6) with service continuity support, which is not aligned in stage 3.

**2. Reason for Change**

Alignment of service continuity support for EES profile with stage 2 requirement. Also, an additional EN is added to handle the case of service continuity IE indicating the ACR scenarios supported.

One minor editorial on reference correction.

**3. Conclusions**

<Conclusion part (optional)>

**4. Proposal**

It is proposed to agree the following changes to 3GPP TS 29.558 v0.3.0.

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

## 3.3 Abbreviations

For the purposes of the present document, the abbreviations given in 3GPP TR 21.905 [1] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in 3GPP TR 21.905 [1].

AC Application Client

ACID Application Client Identification

ACR Application Context Relocation

AF Application Function

ASP Application Service Provider

DN Data Network

DNAI Data Network Access Identifier

DNN Data Network Name

EAS Edge Application Server

EASID Edge Application Server Identification

ECS Edge Configuration Server

ECSP Edge Computing Service Provider

EDN Edge Data Network

EEC Edge Enabler Client

EECID Edge Enabler Client Identification

EES Edge Enabler Server

EESID Edge Enabler Server Identification

EHE Edge Hosting Environment

FQDN Fully Qualified Domain Name

GPSI Generic Public Subscription Identifier

LADN Local Area Data Network

NEF Network Exposure Function

SCEF Service Capability Exposure Function

SSID Service Set Identifier

TAI Tracking Area Identity

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

#### 9.1.5.1 General

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

Table 9.1.5.1-1 specifies the data types defined specifically for the Eecs\_EESRegistration API service.

Table 9.1.5.1-1: Eecs\_EESRegistration API specific Data Types

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Section defined | Description | Applicability |
| EESRegistration | 9.1.5.2.2 | The EES registration information on ECS. |  |
| EESProfile | 9.1.5.2.3 | The profile information related to the EES in the EESRegistration data type. |  |
| ACRScenario | 9.1.5.3.3 | The ACR scenarios supported by EES. |  |

Table 9.1.5.1-2 specifies data types re-used by the Eecs\_EESRegistration API service.

Table 9.1.5.1-2: Re-used Data Types

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Reference | Comments | Applicability |
| SupportedFeatures | 3GPP TS 29.571 [8] | Used to negotiate the applicability of optional features defined in table 9.1.7-1. |  |
| DateTime | 3GPP TS 29.122 [6] | Used to capture the expiration time of EES registration. |  |
| RouteToLocation | 3GPP TS 29.571 [8] | Used to define the DNAIs associated with EES/EAS and the corresponding N6 routing information for each EES/EAS DNAI. |  |
| LocationArea5G | 3GPP TS 29.122 [6] | Used to defined the geographic and topological area served by EES. |  |
| EndPoint | 8.1.5.2.5 | The end point information of the Edge Enabler Server in the EES profile. |  |

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

##### 9.1.5.2.3 Type: EESProfile

Table 9.1.5.2.3-1: Definition of type EESProfile

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| eesId | string | M | 1 | The identifier of the EES |  |
| endPt | EndPoint | M | 1 | Endpoint information (e.g. URI, FQDN, IP address) used to communicate with the EES. This information is provided to the EEC to connect to the EES. |  |
| easIds | array(string) | O | 1..N | Identities of the Edge Application Servers registered with the EES. |  |
| provId | string | O | 0..1 | Identifier of the EES provider |  |
| svcArea | LocationArea5G | O | 0..1 | The list of geographical and topological areas that the EES serves. EECs in the UE that are outside the area shall not be served. |  |
| appLocs | array(RouteToLocation) | O | 1..N | List of DNAI(s) and the corresponding N6 traffic routing information/routing profile ID, associated with the EES and the registered EAS. This is a list of potential locations of the applications. |  |
| svcContSupp | array(ACRScenario) | O | 0..1 | The ACR scenarios supported by the EES for service continuity. If this attribute is not present, then the EES does not support service continuity. |  |

Editor’s Note: Details of the DNAI(s) information in EES profile is FFS and will be updated based on stage 2 agreement.

Editor’s Note: The definition of topological service area in svcArea attribute is FFS and needs alignment with stage 2.

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

#### 9.1.5.3 Simple data types and enumerations

##### 9.1.5.3.1 Introduction

This clause defines simple data types and enumerations that can be referenced from data structures defined in the previous clauses.

##### 9.1.5.3.2 Simple data types

The simple data types defined in table 9.1.5.3.2-1 shall be supported.

Table 9.1.5.3.2-1: Simple data types

|  |  |  |  |
| --- | --- | --- | --- |
| Type Name | Type Definition | Description | Applicability |
|  |  |  |  |

##### 9.1.5.3.3 Enumeration: ACRScenario

The enumeration ACRScenario represents the ACR scenarios supported. It shall comply with the provisions defined in table 9.1.5.3.3-1.

Table 9.1.5.3.3-1: Enumeration ACRScenario

|  |  |  |
| --- | --- | --- |
| Enumeration value | Description | Applicability |
| EEC\_INITIATED |  |  |
| EEC\_EXECUTED\_VIA\_SOURCE\_EES |  |  |
| EEC\_EXECUTED\_VIA\_TARGET\_EES |  |  |
| SOURCE\_EAS\_DECIDED |  |  |
| SORUCE\_EES\_EXECUTED |  |  |

Editor’s Note: The enumeration values and the descriptions need alignment with ACR scenarios in 3GPP TS 23.558 [2].

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

#### 8.1.5.1 General

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

Table 8.1.5.1-1 specifies the data types defined specifically for the Eees\_EASRegistration API service.

Table 8.1.5.1-1: Eees\_EASRegistration API specific Data Types

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Section defined | Description | Applicability |
| EASRegistration | 8.1.5.2.2 | The EAS registration information on EES. |  |
| EASProfile | 8.1.5.2.3 | The profile information related to the EAS in the EASRegistration data type. |  |
| EASServiceKPI | 8.1.5.2.4 | Service characteristics provided by EAS, captured in EAS profile information. |  |
| EndPoint | 8.1.5.2.5 | The end point information of the Edge Application Server in the EAS profile. |  |

Table 8.1.5.1-2 specifies data types re-used by the Eees\_EASRegistration API service.

Table 8.1.5.1-2: Re-used Data Types

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Reference | Comments | Applicability |
| SupportedFeatures | 3GPP TS 29.571 [8] | Used to negotiate the applicability of optional features defined in table 8.1.7-1. |  |
| DateTime | 3GPP TS 29.122 [6] | Used to capture the expiration time of EAS registration. |  |
| ScheduledCommunicationTime | 3GPP TS 29.122 [6] | Used to define the schedule of EAS availability. |  |
| RouteToLocation | 3GPP TS 29.571 [8] | Used to define the DNAIs associated with EAS and the corresponding N6 routing information for each EAS DNAI. |  |
| DurationSec | 3GPP TS 29.122 [6] | Duration in seconds, used to define the availability reporting period for EES to check EAS availability. |  |
| LocationArea5G | 3GPP TS 29.122 [6] | Used to defined the geographic and topological area served by EAS. |  |
| BitRate | 3GPP TS 29.571 [8] | Used to express the connection bandwidth of EAS service KPI. |  |
| Fqdn | 3GPP TS 29.510 [9] | Used to express the Fully Qualified Domain Name of the Edge Application server. |  |
| Ipv4Addr | 3GPP TS 29.122 [6] | Identifying the IPv4 address of the Edge Application Server. |  |
| Ipv6Addr | 3GPP TS 29.122 [6] | Identifying the IPv6 address of the Edge Application Server. |  |

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