**3GPP TSG-SA WG6 Meeting #45-bis-e S6-212461**

**e-meeting, 11th – 19th October 2021 (revision of S6-212412, S6-212239)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **23.558** | **CR** | **0053** | **rev** | **2** | **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)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network |  | Core Network | **X** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Modify the entity description and add abbreviation. | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Samsung | | | | | | | | | |
| ***Source to TSG:*** | S6 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | EDGEAPP | | | | |  | ***Date:*** | | | 2021-10-06 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | 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:*** | | Correction of the editorial for a clear explanation.   1. To clarify the description of each functional entity. 2. TS did not specify the abbreviation for EEL. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | 1. Remove duplicated expressions for EEC's configuration information provisioning, clarify the expression of the function of ECS. 2. Add an abbreviation for EEL. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | 1. An unclear expression of an entity can confuse there functions. 2. As specified in 23.558.3.3, the abbreviations defined in the document take precedence over those of 21.905. This can be confused with the EEL defined in 21.905. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.3.3, 6.3.4 / 3.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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

## 6.3 Functional entities

### 6.3.3 Edge Enabler Client (EEC)

EEC provides supporting functions needed for AC(s).

Functionalities of EEC are:

a) retrieval of configuration information to enable the exchange of Application Data Traffic with the EAS; and

b) discovery of EASs available in the EDN.

### 6.3.4 Edge Configuration Server (ECS)

ECS provides supporting functions needed for the EEC to connect with an EES.

Functionalities of ECS are:

a) provisioning of Edge configuration information to the EEC. The Edge configuration information includes the following:

1) the information for the EEC to distinguish amongst the EESs (e.g. EDN service area); and

2) the information for establishing a connection with EESs (such as URI);

NOTE: The ECS can be deployed in the MNO domain or can be deployed in 3rd party domain by service provider.

b) supporting the functionalities of registration (i.e., registration, update, and de-registration) for the EES(s);

c) supporting the functionalities of API invoker and API exposing function as specified in 3GPP TS 23.222 [6]; and

d) interacting with 3GPP Core Network for accessing the capabilities of network functions either directly (e.g. via PCF) or indirectly (e.g. via SCEF/NEF/SCEF+NEF).

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

3 Definitions of terms, symbols and abbreviations

## 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

ACT Application Context Transfer

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

EEL Edge Enabler layer

EES Edge Enabler Server

EESID Edge Enabler Server Identification

FQDN Fully Qualified Domain Name

GPSI Generic Public Subscription Identifier

GSM Global System for Mobile Communications

GSMA GSM Association

LADN Local Area Data Network

NEF Network Exposure Function

OP Operator Platform

OPG Operator Platform Group

S-EAS Source Edge Application Server

S-EES Source Edge Enabler Server

SCEF Service Capability Exposure Function

SSID Service Set Identifier

T-EAS Target Edge Application Server

T-EES Target Edge Enabler Server

TAI Tracking Area Identity