**3GPP TSG-SA WG6 Meeting #45-bis-e S6-212462**

**e-meeting, 11th – 19th October 2021 (revision of S6-212410\_was\_212249)**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **23.558** | **CR** | **0054** | **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)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **x** |

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|  | | | | | | | | | | |
| ***Title:*** | List of subscriptions to the CN in EEC context | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Samsung | | | | | | | | | |
| ***Source to TSG:*** | S6 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | EDGEAPP | | | | |  | ***Date:*** | | | 2021-10-06 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | This CR addresses the EN “Additional IE(s) for the subscriptions to CN the list of IEs is FFS, pending SA2 discussions (see TR 23.748 clause 9.2.6).” in clause 8.2.8. In SA2, it is agreed that target AF may invoke Nnef\_TrafficInfluence\_Update service operation to deliver the relocation information when edge relocation involving AF change occurs as described in clause 4.3.6.2 in TS 23.502 and clause 6.3.2 in TS 23.548. In this regard, when the relocation occurs, the subscription information (such as subscription correlation ID) of source EES needs to be delivered to the target EES. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | The list of subscriptions to the CN is added in EEC Context. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The editor’s note remains unresolved. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 8.2.8 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 \* \* \* \*

### 8.2.8 EEC Context

The EEC Context includes information about an EEC for receiving edge enabler services.

Table 8.2.8-1: EEC Context

|  |  |  |
| --- | --- | --- |
| **Information element** | **Status** | **Description** |
| EEC ID | M | Unique identifier of the EEC. |
| EEC Context ID | M | Identifier assigned to the EEC Context |
| Source EES Endpoint | M | The endpoint address (e.g., URI, IP address) of the EES that provided EEC context ID. |
| UE Identifier | O | The identifier of the hosting UE (i.e., GPSI or identity token) |
| List of EDGE-1 subscriptions | O | List of subscriptions IDs for capability exposure to the EEC ID (NOTE). |
| UE location | O | Latest UE location of the UE hosting the EEC which was available at the EES. |
| List of AC Profiles | O | Information about the ACs as described in Table 8.2.2-1. |
| List of Service Session Contexts | O | List of associated Service Session Context IEs. Each Service Session Context includes information maintained by the EES for the services (involving UE related resources) received from an EAS registered to the EES. |
| > Service Session Context | M | Service Session Context is described in Table 8.2.8-2 |
| NOTE: The corresponding EDGE-1 subscription information may include 3GPP CN subscription information such as subscription correlation ID | | |

Table 8.2.8-2: Service Session Context

|  |  |  |
| --- | --- | --- |
| **Information element** | **Status** | **Description** |
| EAS ID | M | Identifier of the EAS providing the application services |
| EAS Endpoint | M | Endpoint information of the EAS. |
| AC ID | O | Identifier of the AC ID for which the service session is provided, if determined. |

Editor's Note: It is FFS whether the EEC Context information captured in table 8.2.8-1 requires further updates and alignment to include EDGE-3 subscription information.

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

## 8.9 EEC Context and EEC Context relocation

### 8.9.1 General

EEC Context contains information related to an EEC which is used by EESs to provide the Edge Enabler Layer services. The EEC Context may include information about the EEC-hosting UE and the ACs to which the EEC provides services. The EEC Context information may be collected and maintained at the EES in an EDN while the respective ACs are connected to EASs in that EDN.

EEC Context relocation procedures allow the EEC Context information to be shared between EESs (via EDGE-9 interactions).

The EEC Context information may contain List of EDGE-1 subscriptions (i.e., list of subscription IDs for an EEC). The corresponding EDGE-1 subscription information includes EEC ID, Event ID, subscription ID, 3GPP CN subscription information (optional), notification target address (optional) and filter information (optional).

\* \* \* End of Change \* \* \* \*