**3GPP TSG-CT WG1 Meeting #136-eC1-223672**

**E-Meeting, 12th – 20th May 2022**

**Source: Samsung, Huawei, HiSilicon**

**Title: Pseudo-CR to update ACR request**

**Spec: 3GPP TS 24.558 v1.3.0**

**Agenda item: 17.2.16**

**Document for: Agreement**

**1. Introduction**

This pCR proposes updates to ACR request

**2. Reason for Change**

There is need to update the data type of the Eees\_AppContextRelocation API as indicated by the SA6 LS in C1-222611/S6-220431 (CR in S6-220218). Quote of TS 23.558:

#### *8.8.4.4 ACR request*

*Table 8.8.4.4-1 describes information elements for the ACR request sent either from the EEC to the S-EES or T-EES, or by the S-EAS to the S-EES.*

*Table 8.8.4.4-1: ACR request*

|  |  |  |
| --- | --- | --- |
| *Information element* | *Status* | *Description* |
| *Requestor Identifier* | *M* | *Unique identifier of the requestor (i.e. EECID or EASID).* |
| *Security credentials* | *M* | *Security credentials resulting from a successful authorization for the edge computing service.* |
| *EASID* | *O* | *Identifier of the EAS* |
| *UE identifier* | *M* | *The identifier of the UE (i.e. GPSI).* |
| *ACID* | *O* | *The identifier of the AC.* |
| *ACR action (NOTE 3)* | *M* | *Indicates the ACR action (ACR initiation or ACR determination)* |
| *ACR initiation data (NOTE 2)* | *O* | *ACR initiation IEs to be included in an ACR request message when ACR action indicates it is ACR initiation request.* |
| *> T-EAS Endpoint* | *M* | *Endpoint information (e.g. URI, FQDN, IP 3-tuple) of the T-EAS.* |
| *> Previous T-EAS Endpoint (NOTE 7)* | *O* | *Endpoint information (e.g. URI, FQDN, IP 3-tuple) of the T-EAS of the previous ACR.* |
| *> DNAI of the T-EAS* | *O* | *DNAI information associated with the T-EAS.* |
| *> N6 Traffic Routing requirements* | *O* | *The N6 traffic routing information and/or routing profile ID corresponding to the T-EAS DNAI.* |
| *> EAS notification indication* | *M* | *Indicates whether to notify the EAS about the need of ACR.* |
| *> Previous EAS notification indication (NOTE 7)* | *O* | *Indicates whether to notify the EAS about the cancellation of a previous ACR.* |
| *> S-EAS endpoint (NOTE 1)* | *O* | *Endpoint information of the S-EAS* |
| *> EEC context relocation details* | *O* | *Information required for EEC context relocation using the EEC context push or EEC context pull mechanisms.* |
| *>> EEC Context ID (NOTE 5)* | *O* | *Identifier of the EEC Context* |
| *>> S-EES ID (NOTE 5)* | *O* | *Identifier of the EES that provided EEC context ID.* |
| *>> S-EES endpoint (NOTE 5)* | *O* | *The endpoint address (e.g. URI, IP address) of the EES that provided EEC context ID.* |
| *>> T-EES ID (NOTE 6)* | *O* | *Identifier of the T-EES.* |
| *>> T-EES endpoint (NOTE 6)* | *O* | *The endpoint address (e.g. URI, IP address) of the T-EES.* |
| *ACR determination data (NOTE 2)* | *O* | *ACR determination IEs to be included in an ACR request message when ACR action indicates it is ACR determination request.* |
| *> S-EAS endpoint* | *M* | *Endpoint information of the S-EAS* |
| *NOTE 1: This IE shall be present if the EAS notification indication or previous EAS notification indication indicates that the EAS needs to be informed.*  *NOTE 2: Either ACR initiation or ACR determination shall be included corresponding to the ACR action.*  *NOTE 3: This IE shall indicate ACR determination if the request originates from the S‑EAS.*  *NOTE 4: Void.*  *NOTE 5: This IE may be present only if the request originates from the EEC towards the T-EES.*  *NOTE 6: This IE may be present only if the request originates from the EEC towards the S-EES.*  *NOTE 7: These IEs shall be present when the EEC re-sends the ACR request as described in clause 8.8.1.3 to indicate a previous ACR is to be cancelled.* | | |

**3. Proposal**

It is proposed to agree the following changes to 3GPP TS 24.558 v1.3.0.

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

##### 6.5.5.2.2 Type: AcrDetermReq

Table 6.5.5.2.2-1: Definition of type AcrDetermReq

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| requestorId | string | M | 1 | Contains the identifier of the EEC or the EAS that is sending the request. |  |
| easId | string | O | 0..1 | Contains the identifier of the EAS. |  |
| sEasEndpoint | EndPoint | M | 1 | Contains the endpoint information of the selected S-EAS. |  |
| ueId | Gpsi | M | 1 | Contains the identifier of the concerned UE. |  |
| acId | string | O | 0..1 | Contains the identifier of the AC. |  |

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

##### 6.5.5.2.3 Type: AcrInitReq

Table 6.5.5.2.3-1: Definition of type AcrInitReq

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| requestorId | string | M | 1 | Contains the identifier of the EEC that is sending the request. |  |
| easId | string | O | 0..1 | Contains the identifier of the EAS. |  |
| ueId | Gpsi | M | 1 | Contains the identifier of the concerned UE. |  |
| acId | string | O | 0..1 | Contains the identifier of the AC. |  |
| tEasEndpoint | EndPoint | M | 1 | Contains the endpoint information of the T-EAS. |  |
| sEasEndpoint | EndPoint | C | 0..1 | Contains the endpoint information of the S-EAS.  This attribute shall be provided when the "easNotifInd" attribute is set to "true" or when the "prevEasNotifInd" attribute is present and set to "true". |  |
| prevTEasEndpoint | EndPoint | C | 0..1 | Contains the endpoint information of the previous T-EAS.  This attribute shall be provided when the EEC re-sends the ACR request to indicate that a previous ACR is to be cancelled. |  |
| routeReq | RouteToLocation | O | 0..1 | Contains the T-EAS's DNAI information and the corresponding N6 traffic routing information and/or routing profile ID. |  |
| easNotifInd | boolean | C | 1 | Indicates whether the EAS should be notified about the need for ACR or ACR cancellation.  "true": Notification required.  "false" (default): Notification not required. |  |
| prevEasNotifInd | boolean | C | 0..1 | Indicates whether the EAS should be notified about ACR cancellation.  "true": Notification required.  "false" (default): Notification not required.  This attribute shall be provided when the EEC re-sends the ACR request to indicate that a previous ACR is to be cancelled. |  |
| eecCtxtReloc | EecCtxtReloc | O | 0..1 | Contains EEC context relocation information. |  |

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