**3GPP TSG SA WG5 Meeting #139e S5-216123**

**Online, , 15 Nov 2021- 24 Nov 2021**

**Source: Samsung**

**Title: pCR 28.538 EESFunction definition and procedure**

**Document for: Approval**

**Agenda Item: 6.4.21**

# 1 Decision/action requested

***The group is asked to discuss and approve the proposals.***

# 2 References

None

# 3 Rationale

This contribution defined the EASFunction IOC.

# 4 Detailed proposal

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| --- |
| **First modification** |

## 6.3 Class definition

6.3.x EESFunction

6.3.x.1 Definition

This IOC represent the properties of a EES in a 3GPP network. For more information about EES, see 3GPP TS 23.558.

6.3.x.2 Attributes

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Support Qualifier | isReadable | isWritable | isInvariant | isNotifyable |
| eESIdentifier | M | T | T | F | T |
| eESServingLocation | M | T | T | F | T |
|  |  |  |  |  |  |
| **Attribute related to role** |  |  |  |  |  |
| eASFunctonRef | M | T | T | F | T |
|  |  |  |  |  |  |

#### 

Editors notes: The list of attributes is not complete.

#### 6.3.x.3 Attribute constraints

#### 6.3.x.4 Notifications

TBD.

## 6.4 Attribute definition

6.4.1 Attribute Properties

| Attribute Name | Documentation and Allowed Values | Properties |
| --- | --- | --- |
| eESIdentifier | It identifies the EES, see 3GPP TS 23.558. | type: String  multiplicity: 1  isOrdered: N/A  isUnique: True  defaultValue: None  isNullable: False |
| eASFunctionRef | This is the DN of EASFunction.  allowedValues: DN of the EASFunction MOI. | type: String  multiplicity: 1..\*  isOrdered: N/A  isUnique: True  defaultValue: None  isNullable: False |
| serviceContinuitySupport | This parameter defines whether the EES supports service continuity, see 3GPP TS 23.558 | type: Boolen  multiplicity: 1..\*  isOrdered: N/A  isUnique: True  defaultValue: None  isNullable: False |
| eESservingLocation | It defines the serving location for an EES. | type: ServingLocation  multiplicity: 1..\*  isOrdered: N/A  isUnique: True  defaultValue: None  isNullable: False |

|  |
| --- |
| **Second modification** |

### 7.1.x EES lifecycle management

#### 7.1.3.1 EES instantiation

Figure 7.1.1-1 shows that the PLMN operator or ECSP as the consumer requests the EES instantiation via the provisioning MnS.



Figure 7.1.1-1: EES instantiation procedure

1. Provisioning MnS Producer receives a request (this will use createMOI operation defined in 3GPP TS 28.532 [5]) with EES related requirements. The following are the list of requirements, which can be provided with the request as part of attributeListIn parameter of createMOI operation.

a. EDN identifier: Identifying the host EDN to instantiate the EES on.

b. EAS identifier: Identifying the list of EAS registered with the EES.

2. Provisioning MnS Producer returns a response indicating that the instantiation operation is in progress

3. The NF instance creation procedure as described in 7.10 of [5] is reused to instantiate the EES VNF instance with the requirements provided in the instantiation request.

4. In case of EES VNF instantiation failure, a Notification to indicate the creation of EESFunction instance has failed.

5. In case of EES VNF instantiation success, the producer creates the MOI (Managed Object Instance) for EESFunction IOC. The MOI shall contain attributes as defined in ECSFunction IOC. The Provisioning MnS Producer sends a Notification to indicate the EESFunction instance has been created.