**3GPP TSG SA WG5 Meeting #139e S5-215136**

**Online, , 11 Oct 2021- 20 Oct 2021**

**Source: Samsung**

**Title: pCR 28.538 EASFunction definition**

**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

6.3.1 EASFunction

6.3.1.1 Definition

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

6.3.1.2 Attributes

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Support Qualifier | isReadable | isWritable | isInvariant | isNotifyable |
| eASIdentifier | M | T | T | F | T |
| **Attribute related to role** |  |  |  |  |  |
| eASRequirementsRef | M | T | T | F | T |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

#### 6.3.1.3 Attribute constraints

#### 6.3.1.4 Notifications

TBD.

6.3.2 EASRequirements

6.3.2.1 Definition

This represent the requirements needed to deploy EAS(s)..

6.3.2.2 Attributes

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Support Qualifier | isReadable | isWritable | isInvariant | isNotifyable |
| requiredEASservingLocation | M | T | F | F | T |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

#### Editor’s Note: The definition of IOCs is not complete. It is expected additional attributes, as needed.

#### 6.3.2.3 Attribute constraints

#### 6.3.2.4 Notifications

TBD.

6.3.3 ServingLocation <<datatype>>

6.3.3.1 Definition

This datatype represent the location which is to be served by the node.

6.3.3.2 Attributes

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Support Qualifier | isReadable | isWritable | isInvariant | isNotifyable |
| geographicalLocation | CM | T | F | F | T |
| tAI | CM | T | T | F | T |
|  |  |  |  |  |  |

#### 6.3.3.3 Attribute constraints

|  |  |
| --- | --- |
| Name | Definition |
| geographicalLocation Support Qualifier | Condition: If the serving location is described with Geographical Service Area [2]. |
| tAI Support Qualifier | Condition: If the serving location is described with Topological Service Area [2]. |

#### 6.3.3.4 Notifications

TBD.



6.3.4 GeoLoc <<datatype>>

6.3.4.1 Definition

This datatype represent the geographical location.

6.3.4.2 Attributes

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Support Qualifier | isReadable | isWritable | isInvariant | isNotifyable |
|  |  |  |  |  |  |
| lat | M | T | T | F | T |
| long | M | T | T | F | T |
| civicAddress | O | T | T | F | T |

#### 6.3.4.3 Attribute constraints



None

#### 6.3.4.4 Notifications

TBD







## 6.4 Attribute definition

6.4.1 Attribute Properties

Editors Note: The definition of attributes are not complete, and are subject to changes.

| Attribute Name | Documentation and Allowed Values | Properties |
| --- | --- | --- |
| eASIdentifier | It identifies the EAS, see 3GPP TS 23.558. | type: String  multiplicity: 1  isOrdered: N/A  isUnique: True  defaultValue: None  isNullable: False |
| eASREquirementsRef | This is the DN of EASRequirements.  allowedValues: Not applicable | type: DN  multiplicity: 1  isOrdered: N/A  isUnique: True  defaultValue: None  isNullable: False |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| requiredEASservingLocation | It defines the location where the EAS service should be available. | type: ServingLocation  multiplicity: 1..\*  isOrdered: N/A  isUnique: True  defaultValue: None  isNullable: False |
|  |  |  |
|  |  |  |
| geographicalLocation | This refers to the Geographical Service Area, see 3GPP TS 23.558. | type: GeoLoc  multiplicity: 1  isOrdered: N/A  isUnique: True  defaultValue: None  isNullable: False |
|  |  |  |
|  |  |  |
| lat | This defines the single latitude coordinate. | type: Float  multiplicity: 1  isOrdered: N/A  isUnique: True  defaultValue: None  isNullable: False |
| long | This defines the single longtitude coordinate. | type: Float  multiplicity: 1  isOrdered: N/A  isUnique: True  defaultValue: None  isNullable: False |
| civicAddress | This defines the location in terms of a civic address | type: String  multiplicity: 1  isOrdered: N/A  isUnique: True  defaultValue: None  isNullable: False |
|  |  |  |
| tAI | Indicates the TAI (see subclause 4.3.49 in TS 28.541 [3]), including pLMNId ID and nRTAC. | type: TAI  multiplicity: 1..\*  isOrdered: N/A  isUnique: True  defaultValue: None  isNullable: False |
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|  |  |  |

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| **End of First modification** |







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| **Third modification** |

# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non‑specific.

- For a specific reference, subsequent revisions do not apply.

- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

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[2] 3GPP TS 23.558: " Architecture for enabling Edge Applications ".

[3] 3GPP TS 28.541: "5G Network Resource Model (NRM);".

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| **End of third modification** |