**3GPP TSG-SA4 Meeting #111e**

**, – 20.November 2020**

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| *CR-Form-v12.1* | | | | | | | | |
| **Draft CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** |  | **rev** |  | **Current version:** |  |  |
|  | | | | | | | | |
| *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 |  |

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| ***Title:*** | Correction of the missing SdfMethod type definition | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson LM | | | | | | | | | |
| ***Source to TSG:*** | S4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5GMS3 | | | | |  | ***Date:*** | | | 6.11.2020 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | F |  | | | | | ***Release:*** | | |  |
|  | *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:*** | | The SdfMethod type is used within the ServiceAccessInformation resource type, but not defined. The intention is that the Media Session Handler should use some specific Service Data Flow Description method. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | A definition of the SdfMethod type is added to the specification | | | | | | | | |
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| ***Consequences if not approved:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 11.2.3.1, New section 11.2.3.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  |  | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  |  | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  |  | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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

#### 11.2.3.1 ServiceAccessInformation resource type

The data model for the ServiceAccessInformtion resource is specified in Table 11.2.3.1-1 below:

Table 11.2.3.1‑1: Definition of ServiceAccessInformation resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Property name | Type | Cardinality | Usage | Description |
| provisioningSessionId | String | 1..1 | RO | Unique identification of the M1d Provisioning Session. |
| StreamingAccess | Object | 0..1 | RO |  |
| mediaPlayerEntry | URL String | 1..1 | RO | A document or a pointer to a document that defines a media presentation e.g. MPD for DASH content or URL to a video clip file. |
| ClientConsumptionReporting‌Configuration | Object | 0..1 | RO |  |
| reportingInterval | DurationSec | 0..1 | RO | The time interval, expressed in seconds, between consumption report messages being sent by the Media Session Handler. The value shall be greater than zero.  When this property is omitted, a single final report shall be sent immediately after the streaming session has ended. |
| serverAddresses | Array(URL String) | 1..1 | RO | A list of 5GMSd AF addresses (URLs) where the consumption reporting messages are sent by the Media Session Handler.  (Opaque URL, following the 5GMS URL format.) |
| locationReporting | Boolean | 1..1 | RO | Stipulates whether the Media Session Handler is required to provide location data to the 5GMSd AF in consumption reporting messages (in case of MNO or trusted third parties). |
| samplePercentage | Percentage | 1..1 | RO | The percentage of streaming sessions that shall send consumption reports, expressed as a floating point value between 0.0 and 100.0. |
| DynamicPolicyInvocationConfiguration | Object | 0..1 | RO |  |
| serverAddresses | Array(URL String) | 1..N | RO | A list of 5GMSd AF addresses (URLs) which offer the APIs for dynamic policy invocation sent by the Media Session Handler.  (Opaque URL, following the 5GMS URL format.) |
| validPolicyTemplateIds | Array(String) | 1..N | RO | A list of Policy Template identifiers which the 5GMSd Client is authorized to use. |
| sdfMethods | Array(SdfMethod) | 1..N | RO | A list of recommended service data flow description methods (descriptors). E.g. 5-Tuple, ToS, 2-Tuple, etc, which should be used by the Media Session Handler to describe the service data flows for the to be policed traffic. |
| externalReferences | Array(String) | 0..1 | RO | Additional identifier for this Policy Template, unique within the scope of its Provisioning Session, that can be cross-referenced with external metadata about the streaming session.  Example: "HD\_Premium" |
| ClientMetricsReportingConfiguration | Object | 0..1 | RO |  |
| serverAddresses | Array(URL String) | 1..N | RO | A list of 5GMSd AF addresses to which metrics reports shall be sent.  (Opaque URL, following the 5GMS URL format.) |
| dataNetworkName | String | 0..1 | RO | The DNN which shall be used when sending metrics reports. If not specified, the name of the default DN shall be used. |
| reportingInterval | DurationSec | 0..1 | RO | The time interval, expressed in seconds, between metrics reports being sent by the Media Session Handler. The value shall be greater than zero. When this property is omitted, a single final report shall be sent immediately after the streaming session has ended. |
| samplePercentage | Percentage | 1..1 | RO | The percentage of streaming sessions that shall report metrics, expressed as a floating point value between 0.0 and 100.0. |
| urlFilters | Array(String) | 1..N | RO | A list of URL patterns for which metrics reporting shall be done. The format of each pattern shall be a regular expression as specified in [5].  If not specified, reporting shall be done for all sessions. |
| metrics | Array(String) | 1..N | RO | A list of metrics which shall be reported. |
| NetworkAssistanceConfiguration | Object | 0..1 | RO |  |
| serverAddress | URL String | 1..1 | RO | Address of the 5GMSd AF that offers the APIs for 5GMSd AF-based Network Assistance, for access by the 5GMSd Media Session Handler. This address shall be an opaque URL, following the 5GMS URL format. |

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

#### 11.2.3.2 SdfMethods enum

The data model for the SdfMethod enumeration is specified in Table 11.2.3.1-1 below:

Table 11.2.3.2‑1: Definition of SdfMethod enumeration

|  |  |
| --- | --- |
| Enumeration value | Description |
| 5Tuple | The Media Session Handler shall use 5-Tuples for Service Data Flow descriptions. The 5 Tuple should not contain a wildcard. |
| 2Tuple | The Media Session Handler shall use a 2-Tuple of UE IP and Server IP as Service Data Flow Description. |
| typeOfServiceMarking | The Media Session Handler shall apply Type of Service (ToS) marking to the Service Data Flow. |
| flowLabel | The Media Session Handler shall apply IPv6 flow label marking and provide the IPv6 flow label of the Service Data Flow. |
| domainName | The Media Session Handler shall provide the domain name of the 5GMSd AS. |

\*\*\*\* Last Change \*\*\*\*