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

**, – 20. November 2020**

|  |
| --- |
| *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)*.* |
|  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network |  |

|  |
| --- |
|  |
| ***Title:***  | Correction of the MediaPlayerEntry and ClientMetricsReportingConfiguration cardinality in the Service Access Information resource |
|  |  |
| ***Source to WG:*** | Ericsson LM |
| ***Source to TSG:*** | S4 |
|  |  |
| ***Work item code:*** | 5GMS3 |  | ***Date:*** | 2020-11-06 |
|  |  |  |  |  |
| ***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 canbe 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:*** | 1. 5GMSA supports different collaboration models. There are collaboration models, where the 5GMS AS (e.g. for content hosting) is deployed in the external DN, while some 5GMS AF is deployed in a trusted DN. In those cases, the Service Access Information to describe the 5GMS AF features may not include a *mediaEntryPoint* element. The mediaEntryPoint can be a DASH MPD URL to describe a content asset.2. Changes to the metrics reporting feature at SA4#110-e made it possible to declare multiple metrics reporting configurations in the same Provisioning Session. This change in cardinality has not yet been reflected in the Service Access Infromation resource. |
|  |  |
| ***Summary of change:*** | 1. The mediaEntryPoint is made optional2. The ClientMetricsReportingConfiguration property is changed from an Object into an optional array of Objects and its name becomes plural. |
|  |  |
| ***Consequences if not approved:*** |  |
|  |  |
| ***Clauses affected:*** | 11.2.3.1 |
|  |  |
|  | **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 | 0..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(SdfMethods) | 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" |
| ClientMetricsReportingConfigurations | Array(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. |

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