**3GPP TSG- Meeting # *S4-241920***

**, , -** revision of S4aR240103

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| *CR-Form-v12.3* |
| **CHANGE REQUEST** |
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|  |  | **CR** |  | **rev** |  | **Current version:** |  |  |
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| *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 | **X** | Radio Access Network |  | Core Network | **X** |

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| ***Title:***  |  |
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| ***Source to WG:*** | , BBC |
| ***Source to TSG:*** | S4 |
|  |  |
| ***Work item code:*** |  |  | ***Date:*** |  |
|  |  |  |  |  |
| ***Category:*** |  |  | ***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-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19) Rel-20 (Release 20)* |
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| ***Reason for change:*** | TS 26.113 describes the QoE consumption reporting API in clause 10.6 but does not provide clear details on some of the properties of the ConsumptionReport and ConsumptionReportingUnit data types. |
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| ***Summary of change:*** | Specify that the mediaPlayerEntry property included in the consumption reporting data type represents the WebSocket URI *of a* swapEndpoint *and* the mediaConsumed property included in the ConsumptionReportUnit represents the received media information in clause 10.6 of TS 26.113. |
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| ***Consequences if not approved:*** | Specification does not fully address the consumption reporting feature. |
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| ***Clauses affected:*** | 10.6 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  |  |
| ***affected:*** |  | **X** |  Test specifications |  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications |  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

First change

## 10.2 Service Access Information API

The Service Access Information API is used by the RTC Media Session Handler and/or RTC AS to acquire configuration information from the RTC AF that enables it to use the other media session handling APIs in clause 10.3 *et seq*.

The resource structure and the data model are specified in clause 9.2 of TS 26.510 [3].

When the Service Access Information API is used in RTC, the streamingAccess object shall not be present in the ServiceAccessInformation resource and the rtcClientConfiguration object shall be present as specified in table 9.2.3.1-1 of TS 26.510 [3].

 Next change

## 10.5 Metrics Reporting API

The Metrics Reporting API allows the RTC Media Session Handler and/or RTC AS to report QoE metrics to the RTC AF, as configured by the SerciveAccessInformation resource (see clause 10.2).

The relevant procedures are specified in clause 5.3.5 of TS 26.510 [3].

The reporting API is specified in clause 9.5 of TS 26.510 [3]

For RTC, clause 15.3.1 and clause 15.3.2 specify the required MIME content type and metrics report format for the 3GPP urn:‌3GPP:‌ns:‌RTC:‌QM1 metrics reporting scheme.

NOTE: When the WebRTC Signalling Function is used in an RTC session, the QoE metrics may instead be reported to the WebRTC Signalling Function in the RTC AS.

 Next change

## 10.6 Consumption Reporting API

### 10.6.1 General

The Consumption Reporting API allows the RTC Media Session Handler and/or RTC AS to report media consumption to the RTC AF, as configured by the ServiceAccessInformation resource (see clause 10.2).

The relevant procedures are specified in clause 5.3.6 of TS 26.510 [3].

The Consumption Reporting API and consumption report format are specified in clause 9.6 of TS 26.510 [3]. The population of the data types to report consumption of RTC sessions is profiled in the following clauses.

### 10.6.2 ConsumptionReport data type

The ConsumptionReport data type is specified in clause 9.6.3.1 of TS 26.510 [3].

In the case of Real-Time media Communication:

- The mediaPlayerEntry shall be populated with the URI of the WebSocket connection for the swapEndpoint indicated in the ServiceAccessInformation.rtcClientConfiguration object (see clause 9.2.2 of TS 26.510 [3]).

- A separate ConsumptionReportUnit shall be included in the consumptionReportingUnits array for each media component actively being received by the RTC endpoint (RTC Client or RTC AS), as identified by the "m=" line in the negotiated SDP information.

### 10.6.3 ConsumptionReportingUnit type

The ConsumptionReportUnit type is specified in clause 9.6.3.2 of TS 26.510 [56].

In the case of Real-Time media Communication:

- The mediaConsumed property shall indicate the media identifier (mid) or the synchronization source identifier (SSRC) value of the media received by the RTC endpoint (RTC Client or RTC AS).

NOTE: The media identifier and SSRC values of the received media content are present in the negotiated SDP information.

 When both the media identifier and SSRC values are present in the SDP for a specific RTC session, the mid value of that media content shall be used to populate the mediaConsumed property in preference.

- In cases where consumption of a particular media component was reported in a previous ConsumptionReport, the duration property is simply extended in the ConsumptionReportingUnit to reflect the total time for which that media component has been consumed during the RTC session, while the mediaConsumed and startTime properties remain the same as in the previously reported ConsumptionReportingUnit.

End of changes