**3GPP TSG SA WG4#109-e meeting**S4-200874

**rev of** S4-200805

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| *CR-Form-v12.0* | | | | | | | | |
| **Pseudo CHANGE REQUEST** | | | | | | | | |
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|  | **26.512** | **CR** |  | **rev** |  | **Current version:** | V1.1.0 |  |
|  | | | | | | | | |
| *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:*** | Consumption reporting in M7d interface | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** |  | | | | | | | | | |
| ***Source to TSG:*** | SA4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5GMS3 | | | | |  | ***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 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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
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| ***Reason for change:*** | | Describes how consumption reporting is transmitted between the Media Player and the Media Session Handler | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Describes the procedure for consumption reporting in the M7d interface | | | | | | | | |
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| ***Consequences if not approved:*** | | The consumption reporting system is incomplete | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 4.9.3 (new) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

### 4.9.3. Consumption reporting procedures

Before a streaming session is started, the Media Session Handler shall check if the Service Access Information contains any Consumption reporting configuration, as specified in clauses 4.7.3. If such a configuration is present, the Media Session Handler shall initiate consumption reporting based on this configuration for the current streaming session.

The Media Session Handler shall first determine whether consumption reporting is active for the session. The determination shall be based on the *sample percentage* attribute specified in the consumption reporting configuration. When the *samplePercentage* is not present or its value is 100, consumption reporting is active for the session. If the *samplePercentage* is less than 100, the Media Session Handler generates a random number which is uniformly distributed in the range 0 to100; consumption reporting is active for the session when the generated random number is of a lower value than the *samplePercentage* value.

If consumption reporting for this session is active, the Media Session Handler shall regularly determine the consumption reporting parameters defined in clause 11.3.2.4 from the Media Player through the M7d interface and shall report these values according to the *reporting interval* specified in the Client Consumption Reporting Configuration.