**3GPP TSG- Meeting #**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  |  | **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 | **X** |

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| ***Title:*** | Assistance | | | | | | | | | |
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| ***Source to WG:*** |  | | | | | | | | | |
| ***Source to TSG:*** | SA4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** |  | | | | |  | ***Date:*** | | | 14-02-2023 |
|  |  | | | |  | |  | | |  |
| ***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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The data collection and reporting feature for AF-based Network Assistance lacks the processing of useful information for service providers. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Adds aggregation functions for AF-based Network Assistance invocations. | | | | | | | | |
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| ***Consequences if not approved:*** | | The data collection and reporting feature for AF-based Network Assistance continues to lack the processing of useful information for service providers. | | | | | | | | |
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| ***Clauses affected:*** | | 4.7.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | | The proposed change is admittedly not explicitly called for in the 5GMS\_Ph2 WID, although the change clearly supports improved live service provision. If explicit justification for the change is needed then a revision to the 5GMS\_Ph2 WID should be considered, i.e. to add an objective based on the recommendations on network event usage stated in clause 6.8 of TR 26.804. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Rev - : S4-230200 for SA4 #122. | | | | | | | | |

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### 4.7.3 UE data processing for 5GMS

4.7.3.1 UE data processing procedures for downlink media streaming

The following restriction dimensions and aggregation functions defined in clause 4.5.2 of TS 26.531 [22] may be provisioned in a Data Access Profile as part of a 5GMSd Provisioning Session and shall, as a consequence, be applied to reported UE data prior to exposing it to event consumers.

**Table 4.7.3.1‑1: Valid processing of downlink media streaming UE data by the Data Collection AF**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Restriction dimension** | | | **Aggregation function** | | | | | |
|  | **Time** | **User** | **Location** | **None** | **Count** | **Mean** | **Maximum** | **Minimum** | **Sum** |
| QoE metrics for downlink media streaming | Yes | Yes | Yes | Yes | Yes  (NOTE 1) | Yes  (NOTE 1) | Yes  (NOTE 1) | Yes  (NOTE 1) | Yes  (NOTE 1) |
| Consumption of downlink media streaming | Yes | Yes | Yes | Yes | Yes  (NOTE 2) | No | No | No | No |
| Downlink dynamic policy invocations | Yes | Yes | Yes | Yes | Yes  (NOTE 3) | No | No | No | No |
| AF-based downlink Network Assistance invocations | Yes | Yes | Yes | Yes | Yes  (NOTE 3) | Yes  (NOTE 4) | Yes  (NOTE 4) | Yes  (NOTE 4) | No |
| Downlink media streaming access activity | Yes | Yes | Yes | Yes | Yes  (NOTE 2) | No | No | No | No |
| NOTE 1: Aggregation functions applied individually to all exposed metrics within the scope of the applicable restriction dimension(s).  NOTE 2: Number of downlink media streaming sessions within the scope of the applicable restriction dimension(s).  NOTE 3: Number of invocations within the scope of the applicable restriction dimension(s).  NOTE 4: Aggregation functions applied to bit rate recommendations and throughput estimations within the scope of the applicable restriction dimension(s). | | | | | | | | | |

4.7.3.2 UE data processing procedures for uplink media streaming

The following restriction dimensions and aggregation functions defined in clause 4.5.2 of TS 26.531 [22] may be provisioned in a Data Access Profile as part of a 5GMSu Provisioning Session and shall, as a consequence, be applied to reported UE data prior to exposing it to event consumers.

**Table 4.7.3.2‑1: Valid processing of uplink media streaming UE data by the Data Collection AF**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Restriction dimension** | | | **Aggregation function** | | | | | |
|  | **Time** | **User** | **Location** | **None** | **Count** | **Mean** | **Maximum** | **Minimum** | **Sum** |
| AF-based uplink Network Assistance invocations | Yes | Yes | Yes | Yes | Yes  (NOTE 1) | Yes  (NOTE 2) | Yes  (NOTE 2) | Yes  (NOTE 2) | No |
| NOTE 1: Number of invocations within the scope of the applicable restriction dimension(s).  NOTE 2: Aggregation functions applied to bit rate recommendations and throughput estimations within the scope of the applicable restriction dimension(s). | | | | | | | | | |