**3GPP TSG- Meeting #-AdHoc-e *0650r0***

**Electronic meeting, 20-24 January, 2025** (Revision of S2-2412660)

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** |  | **rev** | **4** | **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 | **X** | Radio Access Network |  | Core Network | **X** |

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| ***Title:*** |  | | | | | | | | | |
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| ***Source to WG:*** | OPPO, Xiaomi, Lenovo, [Ericsson, Huawei, HiSilicon, Samsung],Nokia, [NTT DOCOMO, vivo] | | | | | | | | | |
| ***Source to TSG:*** | SA2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***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 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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | According to the Conclusions for KI#4 in TR 23.700-70, traffic detection and QoS handling of multiplexed data flows shall be supported in TS 23.503. | | | | | | | | |
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| ***Summary of change:*** | | 1. Add new clause 6.1.3.27.x to support KI#4. 2. Add handling of the UE capability for support of (S)RTP Multiplexed Media Information in IP Packet Filters provided by SMF to PCF. | | | | | | | | |
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| ***Consequences if not approved:*** | | Traffic detection and differentiated QoS is not supported for multiplexed media flows. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.1.3.27.x | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

\* \* \* \* First change\* \* \* \*

##### 6.1.3.27.x Traffic identification and differentiated QoS for multiplexed media flows

Traffic identification and differentiated QoS for multiplexed media flows is as defined in clause 5.37.11 of TS 23.501 [2].

When the UE indicates the support for (S)RTP Multiplexed Media Identification Information in IP Packet Filters to SMF at PDU Session establishment, the SMF provides this UE capability information to PCF.

In order to support differentiated QoS for multiplexed media flows multiplexed on the same end-to-end transport layer connection, the AF may request for differentiated QoS handling for multiplexed media flows by including (S)RTP Multiplexed Media Identification Information (see TS 23.501 [2] clause 5.7.6.2) in the Flow Description and specific QoS requirements per media flow as described in clause 6.1.3.22.

The PCF determines the PCC Rules and QoS requirements for the media flows as follows:

* When the AF request includes uplink direction and the UE capability indicates support for (S)RTP Multiplexed Media Identification Information in IP Packet Filters, or the AF request is for downlink only, PCF generates different PCC rules for the corresponding media flows. Each PCC Rule includes the QoS requirements that apply to the corresponding media flow identified by (S)RTP Multiplexed Media Identification Information in the IP Packet Filter set.
* When the AF request includes uplink direction and the UE has not indicated support for (S)RTP Multiplexed Media Identification Information in IP Packet Filters, the PCF may generate PCC rules based on operator configuration. The PCF may generate PCC rules for the uplink direction for the end-to-end transport layer connection and may notify the AF that the differentiated QoS handling for multiplexed media flows cannot be fulfilled. As an alternativeve, PCF may reject the AF request indicating lack of support for (S)RTP Multiplexed Media Identification.

NOTE Y: It is assumed the PSA UPF supports the IP Packet Filter with (S)RTP Multiplexed Media Identification Information for multiplexed media.

\* \* \* \* End of changes\* \* \* \*