**3GPP TSG-CT WG3 Meeting #130 *C3-234382***

**Xiamen, China, 9 - 13 October, 2023**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **29.512** | **CR** | **1153** | **rev** | **-** | **Current version:** | **18.3.0** |  |
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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 |  | Radio Access Network |  | Core Network | **x** |

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| ***Title:***  | Policy Authorization for AF requested QoS for a UE or group of UEs not identified by a UE address |
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| ***Source to WG:*** | Ericsson |
| ***Source to TSG:*** | C3 |
|  |  |
| ***Work item code:*** | GMEC |  | ***Date:*** | 2023-09-30 |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***Release:*** | Rel-18 |
|  | *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-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19)* |
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| ***Reason for change:*** | Policy Authorization procedures related to AF requested QoS for a UE or group of UEs not identified by a UE address are not covered yet, that is, authorization of PCC rules derived from information obtained from UDR about AF requested QoS for a UE or group UEs is missing from the specification. |
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| ***Summary of change:*** | Specification of Policy Authorization for AF requested QoS for a UE or Group of UE(s): definition of PCC rule derivation in this scenario (including the checking of temporal invalidity). |
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| ***Consequences if not approved:*** | Incomplete specification about SM Policy Context authorization and PCC rule derivation. |
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| ***Clauses affected:*** | 4.2.6.2.23 (new) |
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|  | **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 does not impact the OpenAPI file |
|  |  |
| ***This CR's revision history:*** |  |

\* \* \* \* Start of Changes \* \* \* \*

##### 4.2.6.2.23 Policy Authorization for AF requested QoS for a UE or group of UE(s) not identified by a UE address

When the PCF derives PCC Rules corresponding to a service related to an AF that has indicated the requested QoS for a UE or group UE(s), and the requested QoS is stored in UDR as defined in 3GPP TS 29.519 [15], then the PCF obtains from UDR (using the SUPI and/or the internal group ID(s) of the PDU session) the stored QoS information and the related event subscription information as defined in 3GPP TS 29.519 [15], derives the corresponding PCC rules according to current procedures as described in 3GPP TS 29.513 [7] clause 7.3, and provides to the SMF the policy control triggers corresponding to the subscribed event(s) as defined in clause 4.2.6.4.

NOTE 1: At the time of providing Flow Description from AF, the AF can only provide the server-side information as Flow Description, e.g. 3-tuple(s) including protocol, server side IP address and port number. At the time of determining the Flow Description for the generation of PCC rules, the PCF can supplement the UE side information, e.g. UE IP address and port.

If the information obtained from UDR contains temporal invalidity condition for the AF requested QoS information, the PCF may activate, modify, or remove PCC rules and/or may remove the corresponding policy control request trigger previously provided as needed based on the invalidity conditions.

When the SMF notifies the PCF about a met policy control trigger, the PCF notifies to the AF as defined in 3GPP TS 29.514 [17].

\* \* \* \* End of change \* \* \* \*