**3GPP TSG-CT WG3 Meeting #134C3-242211**

**Changsha, China, 15 - 19 April, 2024 (revision of C3-242abc)**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.514** | **CR** | **0619** | **rev** | **-** | **Current version:** | **18.5.0** |  |
|  | | | | | | | | |
| *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 | **X** |

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| ***Title:*** | Support of provisioning of the QoS timing information | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | AIMLsys | | | | |  | ***Date:*** | | | 2024-04-01 |
|  |  | | | |  | |  | | |  |
| ***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 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 descripiton for the provisioning and modification of the QoS timing information is missing in the current specification. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Add the procedure for the provisioning and modification of the QoS timing information. | | | | | | | | |
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| ***Consequences if not approved:*** | | Incomplete and unclear specification. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 4.2.2.45, 4.2.3.44 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

**Additional discussion(if needed):**

**Proposed changes:**

\*\*\* 1st Change \*\*\*

#### 4.2.2.45 Provisioning of the QoS timing information

When the "QoSTiming\_5G" feature is supported, this procedure is used by the NF service consumer to indicate the time period when the requested QoS information should be applied. The NF service consumer may include in the HTTP POST request message described in clause 4.2.2.2:

* the "qosDuration" attribute to indicate the time period when the PCF shall allocate and release the resources for the corresponding PCC rult(s) that should be applied. The PCF may allocate resources at the beginning of each QoS duration interval and release the resources at the end of the corresponding QoS duration interval. This process is repeated until the AF session is revoked.
* the "qosInactInt" attribute to indicate the inactivity time interval of the requested QoS information.

The PCF shall reply to the NF service consumer as described in clause 4.2.2.2.

As result of this action, the PCF shall allocate and release the resources for the corresponding PCC rule(s) as described in 3GPP TS 29.512 [8].

\*\*\* 2nd Change \*\*\*

#### 4.2.3.44 Modification of the QoS timing information

When the "QoSTiming\_5G" feature is supported, this procedure is used by the NF service consumer to indicate the time period when the requested QoS information should be applied. The NF service consumer may include in the HTTP PATCH request message described in clause 4.2.3.2.

Due to the change of QoS timing information, the PCF needs to adjust the timing information for allocating and releasing resources for the corresponding PCC rule(s).

As result of this action, the PCF shall allocate and release the resources for the corresponding PCC rule(s) as described in 3GPP TS 29.512 [8].

\*\*\* End of Changes \*\*\*