**3GPP TSG-CT WG3 Meeting #127eC3-231278**

**E-meeting, 17th – 21st, April, 2023 (revision of C3-231xxx)**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.512** | **CR** | 1064 | **rev** | **-** | **Current version:** | **18.1.0** |  |
|  | | | | | | | | |
| *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 | **X** |

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|  | | | | | | | | | | |
| ***Title:*** | PCF Function Clarification | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | SMPC18 | | | | |  | ***Date:*** | | | 2023-03-15 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | There are some new functions,e.g. network slice related data rate policy control defined, for PCF. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Clarify the PCF function by adding new fucntions ,e.g., Network slice related data rate policy control. | | | | | | | | |
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| ***Consequences if not approved:*** | | Some new fucntions are missed. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 4.1.3.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | This CR does not impact the OpenAPI file. | | | | | | | | |

**Additional discussion(if needed):**

**Proposed changes:**

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

#### 4.1.3.1 Policy Control Function (PCF)

The PCF is responsible for policy control decisions and flow based charging control functionalities. The PCF provides policies to the SMF, for example:

- policies for application and service data flow detection;

- gating;

- QoS;

- flow based charging;

- traffic steering control;

- usage monitoring control;

- access traffic steering, switching and steering within a MA PDU Session;

- access network information report;

- UMIC, PMIC and TSCAI input container; and

- RAN support information to the SMF.

The policy decisions made by the PCF may be based on one or more of the following:

- Information obtained from the AF, e.g. the session, media and subscriber related information;

- Information obtained from the UDR;

NOTE: For local breakout roaming, session management policy data for the UE as defined in 3GPP TS 29.519 [15] is not available in the VPLMN and V-PCF uses locally configured information according to the roaming agreement with the HPLMN operator. All interactions to the UDR in this document are subject to this restriction.

- Information obtained from the AMF, e.g. UE related and access related information;

- Information obtained from the SMF;

- Information obtained from the NWDAF;

- Information obtained from the NEF;

- Information from the CHF;

- Information from the TSCTSF or TSN AF; and

- PCF pre-configured policy context.

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