**3GPP TSG-CT3 Meeting #118e C3-215XXX**

**E-Meeting, 11th – 15th October 2021**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.512** | **CR** | **0840** | **rev** | **1** | **Current version:** | **17.4.0** |  |
|  | | | | | | | | |
| *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:*** | Handling of Session Management Policy Data per PLMN | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | en5GPccSer17 | | | | |  | ***Date:*** | | | 2021-09-09 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | B |  | | | | | ***Release:*** | | | Rel-17 |
|  | *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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | According to SA2 LS Reply on Session Management Policy Data per PLMN, *For local breakout roaming, PDU Session policy control subscription information and Remaining allowed usage subscription information for monitoring control are not available in V-UDR. V-PCF uses locally configured information according to the roaming agreement with the HPLMN operator as described in clause 5.2.2 and 6.2.1.4 of TS 23.503.*  *In the LBO scenario, the PDU Session policy control subscription information is not supported in the UDR of VPLMN. The V-PCF makes PCC decision according to the roaming agreement.*  TS 23.502 has been updated with clarifications in this regard. | | | | | | | | |
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| ***Summary of change:*** | | TS 29.512 is being updated to clarify that “for local breakout roaming, PDU Session policy control subscription information and remaining allowed usage subscription information for monitoring control as defined in TS 29.519 [15] are 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.”. | | | | | | | | |
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| ***Consequences if not approved:*** | | Misalignment with stage 2. Incorrect assumptions in the handling of session management policy data in the VPLMN. | | | | | | | | |
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| ***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 does not have any impact in Npcf\_SMPolicyControl API. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

\* \* \* First 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 the following:

- 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, PDU Session policy control subscription information and remaining allowed usage subscription information for monitoring control as defined in 3GPP TS 29.519 [15] are 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; and

- PCF pre-configured policy context.

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