**3GPP TSG-CT3 Meeting #127e *C3-231381***

**E-Meeting, 17th - 21st April 2023**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **29.512** | **CR** | **1074** | **rev** | **-** | **Current version:** | **18.1.0** |  |
|  |
| *For* ***[HE](http://www.3gpp.org/3G_Specs/CRs.htm%22%20%5Cl%20%22_blank)******[LP](http://www.3gpp.org/3G_Specs/CRs.htm%22%20%5Cl%20%22_blank)*** *on using this form: comprehensive instructions can be found at <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:***  | Npcf\_SMPolicyControl Service update for support of multi-modal services |
|  |  |
| ***Source to WG:*** | China Mobile |
| ***Source to TSG:*** |  |
|  |  |
| ***Work item code:*** | XRM |  | ***Date:*** | 2023-04-08 |
|  |  |  |  |  |
| ***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:*** | As per SP-230247 in SA2#155, the XRM multi-modal communication parameter is introduced in Npcf\_PolicyAuthorization service. The Npcf\_SMPolicyControl service has to be updated for support of XRM feature. |
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| ***Summary of change:*** | The Npcf\_SMPolicyControl service is updated for support of multi-modal services. |
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| ***Consequences if not approved:*** | There is an inconsistency between SA2 and CT3 in terms of . Npcf\_SMPolicyControl parameters to XRM. |
|  |  |
| ***Clauses affected:*** | 4.2.3.28  |
|  |  |
|  | **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 has no impact in OpenAPI file |
|  |  |
| ***This CR's revision history:*** |  |

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

#### 4.2.3.28 XRM service support

The PCF may receive the "multiModalId" attribute (as defined in 3GPP TS 29.514 [17]) and QoS monitoring requirement from the AF (either directly or via NEF) for multiple IP data flows associated to a multi-modal service as described in clause 5.7.3.4 of 3GPP TS 23.501 [2], the PCF shall:

- use the "multiModalId" attribute (as defined in 3GPP TS 29.514 [17]) to derive the correct PCC rules and apply QoS policies for data flows that are part of a specific multi-modal application as described in clause 4.1.4.2.1.

- use the QoS monitoring requirement received from the AF (either directly or via NEF) to generate the authorized QoS Monitoring policy for multi-modal data flows in order to start the monitoring of the packet delay with in a certain period, as described in clause 4.2.3.25.

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