**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" \l "_blank)******[LP](http://www.3gpp.org/3G_Specs/CRs.htm" \l "_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 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:*** | | 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. | | | | | | | | |
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| ***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 \* \* \* \*