**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. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 4.2.6.21 (new), 4.2.6.21.1 (new) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 \* \* \* \*

#### 4.2.6.21 Policy Provisioning for eXtended Reality and Interactive Media Services

##### 4.2.6.21.1 Support for delivery of multi-modality services

The provision of PCC Rules corresponding to multi-modal services shall be performed as described in clause 4.2.6.2.1 "Provisioning of PCC rules".

For the delivery of multi-modality services, the PCF may receive the Multi-modal service requirements and the Multi-modal Service ID from the AF (either directly or via NEF) for multiple IP data flows associated to a multi-modality service as described in 3GPP TS 29.514 [17]. Based on the received information, the PCF shall:

- derive the applicable PCC rule(s) and apply the required QoS as described in clause 4.2.3.22; and

- when the received Multi-modal service requirements include QoS monitoring rquirements, use the QoS monitoring requirement received from the AF (either directly or via NEF) to generate the authorized QoS Monitoring policy for each flow as described in clause 4.2.3.25.

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