**3GPP TSG-CT WG3 Meeting #138 *C3-246417***

**Orlando, US, 18 – 22 November, 2024 (Revision of C3-246215)**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.525** | **CR** | **0383** | **rev** | **1** | **Current version:** | **19.0.0** |  |
|  | | | | | | | | |
| *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:*** | Connectivity Group ID support | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | UEP19 | | | | |  | ***Date:*** | | | 2024-11-19 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-19 |
|  | *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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19) Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Clause 4.15.6.10 of TS 23.502 specifies, for provisioning guidance of URSP determination, the service parameters which contain the traffic descirptor as defined in TS 23.503 Table 6.6.2.1-2 shall be considered in the service provisioning procedure. According to the table 6.6.2.1-2 of TS 23.503. the connectivity group ID is part of the traffic descriptor. Therefore the connectivity group ID can be part of the service parameters to be provided through traffic descriptor to the NEF and PCF.  When PCF provides the URSP for the 5G-RG devices, the PCF may extract the traffic descriptor related parameters only for 5G-RG devices. The Connectivity Group Id may be provided by the PCF to the devices behind 5G-RG within traffic descriptor. | | | | | | | | |
| ***d*** | |  | | | | | | | | |
| ***Summary of change:*** | | Add the support of providing the Connectivity Group ID in the traffic descriptor from the PCF to the devices behind the 5G-RG | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Connectivity Group ID for 5G-RG is not supported and not aligned with SA2 requirements. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | B.2.1.3.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 the Open API specification. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

**Additional discussion(if needed):**

**Proposed changes:**

\*\*\* First Change \*\*\*

#### B.2.1.3.1 Policy Control Function (PCF)

The PCF functionality defined in clause 4.1.3.1 shall apply with the following differences:

- Only URSP policies are applicable. The PCF should not provide any UE policy other than URSP for a 5G-RG connected via wireline access.

- If the PCF provides the URSP policy to the 5G-RG or FN-RG, the PCF should only provide the following URSP policy information:

- Rule Precedence.

- Traffic Descriptor, including only: Application descriptors (not applicable for FN-RG), IP descriptors, Domain descriptors (not applicable for FN-RG), Non-IP descriptors, DNN (not applicable for FN-RG), Connection Capabilities (not applicable for FN-RG), Connectivity Group ID (not applicable for FN-RG).

- Route Selection Descriptor Precedence.

- Route selection components, including only: SSC Mode Selection, Network Slice Selection, DNN Selection, PDU Session Type Selection.

- Route Selection Validation Criteria, including only: Time Window

- The Visited Policy Control Function (V-PCF) shall not apply for 5G-RG connecting via wireline access and FN-RG.

- The PCF provides the UE access selection and PDU session selection policy control as described in this Annex.

\*\*\* End of Change \*\*\*