**3GPP TSG CT WG3 Meeting #130C3-234458**

Xiamen China, 09th - 13th October, 2023 (revision of C3-234097)

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **29.512** | **CR** | **1133** | **rev** | **1** | **Current version:** | **18.3.0** |  |
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| *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:*** | Clarification on configuration of maximum group data rate | | | | | | | | | |
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| ***Source to WG:*** | China Telecom | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
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| ***Work item code:*** | GMEC | | | | |  | ***Date:*** | | | 2023-10-09 |
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| ***Category:*** | **F** |  | | | | | ***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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
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| ***Reason for change:*** | | As described in clause 6.1.5 of TS 23.503, maximum group data rate can be configured by AF and/or operator which is different from maximum slice data rate that can be only configured by operators. | | | | | | | | |
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| ***Summary of change:*** | | Clarity that maximum group data rate can be configured by AF and/or operator. | | | | | | | | |
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| ***Consequences if not approved:*** | | Misunderstanding on the configuration of maximum group data rate. | | | | | | | | |
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| ***Clauses affected:*** | | 4.2.6.9.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS 23.503 CR 1164 | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
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| ***Other comments:*** | | This CR does not impact the OpenAPI. | | | | | | | | |
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| ***This CR's revision history:*** | |  | | | | | | | | |

**Additional discussion(if needed):**

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**Proposed changes:**

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| **First change** |

##### 4.2.6.9.1 General

A PCF that supports group related data rate policy control shall be able to control and manage the group data rate for 5G VN groups. In order to do so, the PCF shall perform the same procedures as the ones defined for network slice related data rate policy control defined in clauses 4.2.6.8 for the PDU session(s) of the UE(s) belonging to a 5G VN group, with the following differences:

- Only the PCF-based method shall be applicable for group related data rate policy control, i.e., the provisions of clause 4.2.6.8.3 shall not apply for group related data rate policy control.

- The provisions related to slice related data rate policy control for an S-NSSAI shall apply for group related data rate policy control for a 5G VN Group.

- Instead of configuring Maximum Slice Date Rate per S-NSSAI by the operator, the Maximum Group Data Rate per 5G VN Group is either provisioned by the AF to the UDR (for "Subscription Data") within via the NEF/UDM as part of the 5G VN group subscription data using the procedures defined in 3GPP TS 29.522 [59] and 3GPP TS 29.503 [34] and/or configured by the operator. When the Maximum Group Data Rate is provisioned by the AF, the PCF shall retrieve it from the UDR (for "Subscription Data")..

- Instead of handling the Remaining Maximum Slice Data Rate per S-NSSAI, the UDR and PCF shall handle the Remaining Maximum Group Data Rate per 5G VN Group.

- Instead of calculating the utilized data rate based on the value(s) of the authorized Session-AMBR and the MBR of every GBR SDF for every PDU Session of a network slice identified by an S-NSSA, the PCF shall calculate the utilized data rate based on the value(s) of the authorized Session-AMBR and the MBR of every GBR SDF for every PDU Session of the concerned 5G VN Group.

- Instead of returning the "EXCEEDED\_SLICE\_DATA\_RATE" application error, the PCF shall return the "EXCEEDED\_GROUP\_DATA\_RATE" application error within the "403 Forbidden" error response.

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| **End of changes** |