**3GPP TSG-CT WG1 Meeting #135-eC1-22xxxx**

**E-meeting, 6th -12th April 2022**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.501** | **CR** | **4240** | **rev** | **1** | **Current version:** | **17.6.1** |  |
|  | | | | | | | | |
| *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:*** | Exemptions for the network slice data rate limitation control | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | vivo, Ericsson | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eNS\_Ph2 | | | | |  | ***Date:*** | | | 2022-03-28 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-17 |
|  | *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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | For the network slice data rate limitation control, the exemption shown as follows excerpted from TS 23.503 is not captured in CT1 specification:  *NOTE 4: Subject to operator policy and national/regional regulations, prioritised services and emergency services may be exempted from the limitation of data rate per network slice.* | | | | | | | | |
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| ***Summary of change:*** | | Based on operator policy, the network slice data rate limitation control cannot be applicable for the S-NSSAI used for emergency services or priority services. | | | | | | | | |
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| ***Consequences if not approved:*** | | Wrong understanding that the S-NSSAI used for emergency services or priority services shall be monitored and controlled by network slice data rate limitation control. | | | | | | | | |
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| ***Clauses affected:*** | | 4.6.3.4 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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's revision history:*** | |  | | | | | | | | |

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

#### 4.6.3.4 Session management based network slice data rate limitation control

A serving PLMN or the HPLMN can perform network slice data rate limitation control for the S-NSSAI(s) subject to network slice data rate limitation control to monitor and control the total data rate of established PDU sessions per network slice as specified in 3GPP TS 23.503 [10]. If the maximum data rate of PDU sessions on a network slice associated with an S-NSSAI has been exceeded during the PDU session establishment procedure, the SMF may reject the PDU session establishment request using S-NSSAI based congestion control as specified in clause 6.2.8 and 6.4.1.4.2.

A serving PLMN or the HPLMN can perform management of Slice-Maximum Bit Rate per UE (UE-Slice-MBR) as specified in 3GPP TS 23.503 [10]. When the UE-Slice-MBR for the UE and S-NSSAI to which the PDU session is allocated is exceeded during the PDU session establishment procedure, the SMF may reject the PDU session establishment request using S-NSSAI based congestion control as specified in clause 6.2.8 and 6.4.1.4.2.

NOTE 1: Based on operator policy, the network slice data rate limitation control can be applicable for the S-NSSAI(s) used for emergency services or priority services.

NOTE 2: The network slice data rate limitation control and UE-Slice-MBR management are performed by the PCF.

\* \* \* End of Changes \* \* \* \*