**3GPP TSG-SA5 Meeting #137e *S5-213255rev1***

**electronic meeting, online, 10 - 19 May 2021** Revision of S5-20xxxx

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| *CR-Form-v11.4* |
| **CHANGE REQUEST** |
|  |
|  | **32.255** | **CR** | **0308** | **rev** | **1** | **Current version:** | **17.1.1** |  |
|  |
| *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:***  | Remove the editor's note about the usage reporting |
|  |  |
| ***Source to WG:*** | Huawei |
| ***Source to TSG:*** | S5 |
|  |  |
| ***Work item code:*** |  5G\_URLLC |  | ***Date:*** | 2021-04-14 |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***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 canbe 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 per TS 23.501 and TS 23.502, for the URLLC charging, the redundant transmission at transport layer is the redundancy of PDU sessions.and redundant transmission on the N3/N9 interface is the redundancy of QoS flows.The corresponding description should be added for each redundant transmission type. |
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| ***Summary of change:*** | Clarify the usage reporting of the redundant transmission at transport layer and N3/N9 interface.Remove the editor’s note. |
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| ***Consequences if not approved:*** | Can not support the URLLC service charging. |
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| ***Clauses affected:*** | 5.2.1.12 |
|  |  |
|  | **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 ...  |
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| ***Other comments:*** |  |

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| **First change** |

#### 5.2.1.12 URLLC Charging

The CHF can be aware of redundant transmission type (i.e.dual connectivity, redundant transmission on N3/N9 and redundant transmission at transport layer) and provide the quota allocation based on the redundant transmission type:

* For dual connectivity based end to end redundant user plane paths, the granted quotas is allocated for each PDU session.
* For the redundant transmission on N3/N9 interfaces and at transport layer, the CHF grants the quota for the non-redundant transmission.

The SMF shall collect and report the usage for the redundant transmission as the following:

* For dual connectivity based end to end Redundant User Plane Paths, SMF shall collect and report the usage for each redundant PDU session.

Editor’s note: the definition of "non-redundant transmission" is ffs

Editor’s note: the usage reporting for the redundant transmission at transport layer and N3/N9 interface is ffs.

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| **End of change** |