**3GPP TSG-SA WG1 Meeting #96e S1-214077r1**

**Electronic Meeting, 8 – 18 Nov. 2021**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **22.261** | **CR** | **0004** | **rev** | - | **Current version:** | **18.4.0** |  |
|  |
| *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 | **X** | Radio Access Network | **X** | Core Network | **X** |

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| ***Title:***  | CR22.261v18.4.0 Update to charging requirements for AMMT |
|  |  |
| ***Source to WG:*** | OPPO |
| ***Source to TSG:*** | SA1 |
|  |  |
| ***Work item code:*** | AMMT |  | ***Date:*** | 2021-10-23 |
|  |  |  |  |  |
| ***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 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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
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| ***Reason for change:*** | As the aggregated QoS applies to FL group, the charging will be different, i.e. the charging is performed per group of FL wher the group member may be changed dynamically (e.g., per round).  |
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| ***Summary of change:*** | Adding a new requirement of charging for FL group in clause 9.1 |
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| ***Consequences if not approved:*** | Some requirements are missed  |
|  |  |
| ***Clauses affected:*** | 9.1 |
|  |  |
|  | **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's revision history:*** |  |

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start of Change \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

# 9 Charging aspects

## 9.1 General

The following set of requirements complement the requirements listed in 3GPP TS 22.115 [11]. The requirements apply for both home and roaming cases.

The 5G core network shall support collection of all charging information on either a network or a slice basis.

The 5G core network shall support collection of charging information for alternative authentication mechanisms.

The 5G core network shall support collection of charging information associated with each serving MNO when multi-network connectivity is used under the control of the home operator.

The 5G core network shall support charging for services/applications in an operator’s Service Hosting Environment.

The 5G core network shall support charging for content delivered from a content caching application.

The 5G core network shall support collection of charging information based on the access type (e.g. 3GPP, non-3GPP, satellite access).

The 5G core network shall support collection of charging information based on the slice that the UE accesses.

The 5G system shall be able to generate charging information regarding the used radio resources e.g. used frequency bands.

The 5G core network shall support collection of charging information based on the capacity and performance metrics.

In a 5G system with satellite access, charging call records associated with satellite access(es) shall include the location of the associated UE(s) with satellite access

NOTE 1: The precision of the location of the UE can be based on the capabilities of the UE or of the network.

The 5G system shall be able to support an indirect network connection even when the UE is in E-UTRAN or NG-RAN coverage.

The 5G system shall be able to support mechanisms to differentiate charging information for traffic carried over satellite backhaul.

For service function chaining (see clause 10) the collection of charging information associated to the use of service functions and the chain of service functions requested by third parties shall be supported.

The 5G system shall be able to support collection of charging information for a group of UEs a specific UE is member of.

NOTE 2: Tdue toofan

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