**3GPP TSG-SA5 Meeting #140-e *S5-216498***

**e-meeting, 15 - 24 November 2021** Revision of S5-20xxxx

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **32.240** | **CR** | **0434** | **rev** | **-** | **Current version:** | **17.3.0** |  |
|  |
| *For* [***HELP***](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:***  | Addition of the 5G LAN service charging |
|  |  |
| ***Source to WG:*** | Huawei |
| ***Source to TSG:*** | S5 |
|  |  |
| ***Work item code:*** | 5GLAN\_CH |  | ***Date:*** | 2021-11-18 |
|  |  |  |  |  |
| ***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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
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| ***Reason for change:*** | For the support of 5G LAN service charging, the 5G LAN VN group management and communication charging should be added.  |
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| ***Summary of change:*** | Add the descripion for the support of 5G LAN service charging |
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| ***Consequences if not approved:*** | The support of the 5G LAN is incomplete. |
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| ***Clauses affected:*** |  6(New) |
|  |  |
|  | **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:*** |  |

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| **First change** |

# 6 5G Services Charging

## 6.0 General

The high-level system architecture for the 5G System are specified in TS 23.501 [215]. The following sub-clauses detail the charging aspect of the 5G specific services on the basis of the high level features defined in clause 5 of TS 23.501 [215], in respect of:

- high level view of the 5G LAN-type service charging specified in the clause 5.34.10 of TS 23.501[215], including the 5G LAN VN Group management and 5G LAN VN Group Communication;

## 6.1 5G LAN-type service Charging

### 6.1.1 5G LAN-type service converged charging architecture

#### 6.1.1.1 Support of 5G LAN VN Group Communication

5G data connectivity domain converged charging architecture specified in the clause 4.2 TS 32.255[15] is applicable for the 5G LAN VN Group Communication. The SMF embedding the CTF generates 5G LAN VN Group communication charging information towards the CHF based on the User plane architecture to support 5G LAN-type service.

#### 6.1.1.2 Support of 5G LAN VN Group management

##### 6.1.1.2.1 NEF support of 5G LAN VN Group management

The architectural option via NEF for 5G LAN VN Group membership management converged charging is specified in the TS 32.254[14]. The NEF embedding the CTF, generates 5G LAN VN group management charging information towards the CHF.

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| **End of change** |