**3GPP TSG-SA5 Meeting #139-e *S5-215288***

e-meeting, 11 - 20 October 2021 (revision of xx-yyxxxx)

**Source: Huawei**

**Title: New WID on Charging Aspects of 5G LAN VN Group**

**Document for: Approval**

**Agenda Item: 7.2**

3GPP™ Work Item Description

Information on Work Items can be found at <http://www.3gpp.org/Work-Items>   
See also the [3GPP Working Procedures](http://www.3gpp.org/specifications-groups/working-procedures), article 39 and the TSG Working Methods in [3GPP TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm)

Title: New WID on Charging Aspects of 5G LAN VN Group

Acronym: 5GLAN\_CH

{Propose an acronym. Final acronym to be confirmed at the plenary. The sign "-" is a level separator between (Feature)-(Building Block)-(Work Task). The sign "\_" can be freely used. Studies have to start by "FS\_". Each acronym level has to be simple and short, 7 characters max recommended}

Unique identifier:

{A number to be provided by MCC at the plenary}

Potential target Release: *{Rel-17}*

{Note that this field above indicates the proposed Release at the time of submission of the WID to TSG approval. It can later be changed without a need to revise the WID. The updated target Release is indicated in the Work Plan}

# 1 Impacts

{For Normative work, identify the anticipated impacts. For a Study, identify the scope of the study}

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Affects: | UICC apps | ME | AN | CN | Others (specify) |
| Yes |  |  |  | X |  |
| No | X | X | X |  |  |
| Don't know |  |  |  |  |  |

# 2 Classification of the Work Item and linked work items

## 2.1 Primary classification

### This work item is a …

{Tick one box. "**Feature** / **Building Block** / Work Task" form a hierarchical structure. E.g. no Building Block can be proposed without a corresponding parent Feature. The full structure of all existing Work Items is shown in the 3GPP Work Plan in <ftp://ftp.3gpp.org/Information/WORK_PLAN>}

|  |  |
| --- | --- |
| X | Feature |
|  | Building Block |
|  | *Work Task* |
|  | Study Item |

## 2.2 Parent Work Item

{"Parent" Work Item refers to the related, earlier-Stage, Work Item, e.g. the related Stage 1 Work Item shall be indicated here when a Stage 2 normative Work Item or Study Item is presented. "Parent" Work Item can also refer to the related preceding Study Item e.g. the related Study Item and the earlier-stage Work Item shall be indicated here when a normative-work Work Items is started. List here all parent Work Items of which requirements are either fully or partially covered by the proposed Item. }

{This section is mandatory to be filled out by the rapporteur. This section is to be filled with care: it indicates to the companies monitoring the parent Work Item that it will be addressed in this study/work item.}

For a brand-new topic, use “N/A” in the table below. Otherwise indicate the parent Work Item.

|  |  |  |  |
| --- | --- | --- | --- |
| Parent Work / Study Items | | | |
| Acronym | Working Group | Unique ID | Title (as in 3GPP Work Plan) |
| FS\_5GLAN\_CH | SA5 | 900022 | Study on Charging Aspect of 5G LAN-type Services |

### 2.3 Other related Work Items and dependencies

{List here other Work Items which relate to the proposed one, such as a Work Item in an earlier Release if further enhancing the feature from the previous Release)}

|  |  |  |
| --- | --- | --- |
| Other related Work /Study Items (if any) | | |
| Unique ID | Title | Nature of relationship |
| 720005 | Service requirements for the 5G system (TS 22.261) | SA1 TS of Rel-16 5G LAN-type service Requirement. |
| 830042 | 5GS Enhanced support of Vertical and LAN Services | SA2/SA3/CT of Rel-16 Vertical and LAN Services. |
| [840025](https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.3gpp.org%2FDynaReport%2FWiVsSpec--840025.htm&data=04%7C01%7Cgerald.goermer%40matrixx.com%7Cbfcb2fa4b23344d0cddc08d98e2a2346%7C397ba4298b3347dbbc7a91d05b2f5898%7C1%7C0%7C637697133940351971%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=CZ%2FpYNQw5gTL5vOOOkiUM%2B9P9hiJe%2FUQwsOqXlbFbH8%3D&reserved=0" \t "_blank) | Study on enhancement of support for 5G LAN-type service | SA2 TR of Rel-17 5G LAN-Type Service Enhancement. |

**Dependency on non-3GPP (draft) specification:**

# 3 Justification

Based on the conclusion in the TR 28.822 (Study on the 5G LAN VN Group charging), the following aspects should be specified:

- 5G LAN VN Group management charging.

- 5G LAN VN Group communication and traffic forwarding charging.

- Total usage of 5G VN Group communication charging.

# 4 Objective

The objective of the work item is to:

- specify the charging requirements, service operations, parameters for 5G LAN VN group service charging.

* Specify the corresponding Open API and ASN.1 for 5G LAN VN group service charging.

# 5 Expected Output and Time scale

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| New specifications {One line per specification. Create/delete lines as needed} | | | | | |
| Type | TS/TR number | Title | For info  at TSG# | For approval at TSG# | Rapporteur |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Impacted existing TS/TR {One line per specification. Create/delete lines as needed} | | | |
| TS/TR No. | Description of change | Target completion plenary# | Remarks |
| TS 32.240 | New 5G LAN VN Group services in charging architecture | Mar 2022 (SA#95) |  |
| TS 32.255 | Enhancement of the 5G Data Connectivity to support the 5G LAN VN Group service | Mar 2022 (SA#95) |  |
| TS 32.291 | Update Nchf\_ConvergedCharging service API with definitions that are specific to 5G LAN VN Group service charging | June 2022 (SA#96) |  |
| TS 32.298 | 5G LAN VN Group charging related CHF CDR(s) definition and ASN.1 | June 2022 (SA#96) |  |

# 6 Work item Rapporteur(s)

CHEN SHAN, Huawei, chenshan@huawei.com

# 7 Work item leadership

SA5

# 8 Aspects that involve other WGs

None

# 9 Supporting Individual Members

{At least 4 supporting Individual Members are needed. There is an expectation that these companies will provide resources to progress the work. Note that having 4 supporting companies is a necessary but not sufficient condition: the usual TSG approval process by consensus is needed for the WID approval}

|  |
| --- |
| Supporting IM name |
| Huawei |
| HiSilicon |
|  |
|  |
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