3GPP TSG|SA Meeting #97-e SP-220900

Electronic meeting, 13 - 19 September 2022

**Source: ZTE, LG Electronics**

**Title: New WID on Enhancement of Network Slicing Phase 3**

**Document for: Approval**

**Agenda Item: 6.5**

**3GPP SA WG2 Meeting #152E S2-2207878**

**Electronic meeting, 17 – 26 August 2022 (Revision of S2-2206664)**

**Source: ZTE, LG Electronics**

**Title: New WID: Enhancement of Network Slicing Phase 3**

**Document for: Approval**

**Agenda Item: 9.1**

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: Stage 2 of Network Slicing Phase 3

## Acronym: eNS\_Ph3

## Unique identifier: *{A number to be provided by MCC at the plenary}*

Potential target Release: Rel-18

## 1 Impacts

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

## 2 Classification of the Work Item and linked work items

### 2.1 Primary classification

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

### 2.2 Parent Work Item

|  |  |  |  |
| --- | --- | --- | --- |
| Parent Work / Study Items | | | |
| Acronym | Working Group | Unique ID | Title (as in 3GPP Work Plan) |
|  |  |  |  |

### 2.3 Other related Work Items and dependencies

|  |  |  |
| --- | --- | --- |
| Other related Work Items (if any) | | |
| Unique ID | Title | Nature of relationship |
|  |  |  |
|  |  |  |
|  |  |  |

## 3 Justification

GSMA has sent LS ([S2-2202800](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_150E_Electronic_2022-04/Docs/S2-2202800.zip)) to request SA2 to specify the support of new NEST attribute "maximum number of UEs with at least one PDU session/PDN connection" as an added capability to what the system currently supports.

## 4 Objective

The objective is to specify the system enhancement to support new NEST attribute "maximum number of UEs with at least one PDU session/PDN connection" as an added capability to what the system currently supports, i.e. how to trigger the system to base UE counting in 5GS for a S-NSSAI subject to EPS counting on this new option rather than on counting the UEs registered with the S-NSSAI as in the existing specification.

This work needs 0.5 TU.

## 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 |
| N/A | N/A | N/A | N/A | N/A | N/A |

|  |  |  |  |
| --- | --- | --- | --- |
| **Impacted existing TS/TR** *{One line per specification. Create/delete lines as needed}* | | | |
| TS/TR No. | Description of change | Target completion plenary# | Remarks |
| 23.501 | Architecture enhancements to support the stated objectives | SA#99 (March 2023) |  |
| 23.502 | Procedure enhancements to support the stated objectives | SA#99 (March 2023) |  |
|  |  |  |  |
|  |  |  |  |

## 6 Work item Rapporteur(s)

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## 7 Work item leadership

SA2

## 8 Aspects that involve other WGs

SA5 for management and charging aspects.

SA3 for security aspects

## 9 Supporting Individual Members

|  |
| --- |
| Supporting IM name |
| Alibaba |
| Apple |
| AT&T |
| CATT |
| China Mobile |
| China Telecom |
| China Unicom |
| Convida Wireless LLC |
| Deutsche Telekom AG |
| DISH Network |
|  |
| Huawei |
| Intel |
| InterDigital |
| KDDI |
| KPN |
| KT Corp. |
| Lenovo |
| LG Electronics |
| LG Uplus |
| Matrixx |
| MITRE |
| Motorola Mobilit |
| NEC |
| Nokia |
| Nokia Shanghai Bell |
| NTT Docomo |
| OPPO |
| Oracle |
| Orange |
| Qualcomm |
| Samsung |
| Sanechips |
| Sharp |
| SK Telecom |
| T-Mobile USA |
| Spreadtrum |
| Tencent |
| TELUS |
| Verizon UK Ltd |
| Xiaomi |
| ZTE |