**3GPP SA WG2 Meeting #142E S2-200xxxx**

**Electronic, 16 – 20 November 2020 (Revision of S2-200xxxx)**

**Source: Intel**

**Title: New WID on system enablers for Multi-USIM devices**

**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: Work Item on system enablers for Multi-USIM devices

## Acronym: MUSIM

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

Potential target Release: Rel-17

## 1 Impacts

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

## 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) |
| MUSIM | SA1 | 840040 | Stage 1 of MUSIM |

### 2.3 Other related Work Items and dependencies

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

## 3 Justification

This work item aims at specifying system enhancements required for 5G system to support service requirements for Multi-USIM devices.

The service requirements are documented in TS 22.101, 22.261 and 22.278.

## 4 Objective

The objective is to specify enhancements to 5GS as per conclusions reached within TR 23.761 for the following aspects:

Editor’s note: All items to be updated based on discussion at SA2#142e.

Editor’s note: LSs sent to RAN2, RAN3 and SA3 on all three key issues.

- Enhancements for handling of Mobile Terminated service with Multi-USIM device (KI#1).

- Enhancements for enabling Paging Reception for Multi-USIM Device (KI#2).

- Enhancements for coordinated leaving for Multi-USIM device (KI#3).

## 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 |
| 23.501 | Architectural enhancements to support the stated objectives | SA#92 (June 2021) |  |
| 23.502 | Procedural enhancements to support the stated objectives | SA#92 (June 2021) |  |
| 23.228 | IMS enhancements to support the stated objectives | SA#92 (June 2021) | This specification may be impacted by Sol#13 in TR 23.761 (if pursued for normative work) or by clarification on how DSCP marking is set to enable specific Paging Cause |

## 6 Work item Rapporteur(s)

Sašo Stojanovski, Intel, saso stojanovski intel com

## 7 Work item leadership

SA2

## 8 Aspects that involve other WGs

Security aspects will be covered by SA3.

Access stratum aspects will be covered by RAN2 and RAN3.

## 9 Supporting Individual Members

|  |
| --- |
| Supporting IM name |
| Intel |
| Verizon? |
| AT&T? |
| Sony? |
| Samsung? |
| Charter Communications? |
| China Mobile? |
| Lenovo? |
| Motorola Mobility? |
| NEC? |
| Vivo? |
| OPPO? |
| KPN? |
| ETRI? |
| InterDigitial? |
| Convida Wireless? |
| MediaTek Inc. ? |
| Qualcomm Incorporated? |
| Telefónica? |
| China Telecom? |
| Ericsson? |
| Airtel? |
| Apple? |
| LG Electronics? |
| Spreadtrum Communications? |
| Nokia? |
| Nokia Shanghai Bell? |