**3GPP TSG-CT WG1 Meeting #136-eC1-223428**

**E-Meeting, 12th – 20th May 2022**

**Source: InterDigital**

**Title: New WID on Stage-3 SAE Protocol Development**

**Document for: Approval**

**Agenda item: 18.1.1**

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-3 SAE Protocol Development

## Acronym: SAES18, SAES18-CSFB, SAES18-non3GPP

## Unique identifier:

Target Release: Rel-18

## 1 Impacts

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

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

### 2.1 Primary classification

This work item is a …

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

### 2.2 Parent 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) |
| N/A | N/A | N/A | N/A |

### 2.3 Other related Work Items and dependencies

None

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

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

## 3 Justification

In Release 8, LTE was added as an access technology. The feature set in Release 8 provides a basis for EPS support. At Release 9, 10, 11, 12, 13,14, 15, 16 and 17 further work was identified. At Release 18 the need for other new capabilities is being identified.

## 4 Objective

There may be technical improvements and enhancements to EPS, not of sufficient significance to be normally covered by a work item, that can be dealt with by this work item.

The scope of the work also includes:

1. Such changes relating to SAE involved in CS fallback (including SGs enhancements) or CS fallback to 1x (A separate acronym is requested for this set of work "SAES18-CSFB").
2. Impact on GPRS relating to interworking with LTE.

Changes relating to the support of EPC on non-3GPP accesses are covered on the separate acronym "SAES18-non3GPP"

The work does not cover PS domain enhancements where parallel changes are identified to both EPS and GPRS.

The work also does not cover changes to home Node B and home eNode B.

The work also does not cover changes or enhancements to functionality related to machine-type communications (MTC).

The work item is not a substitute for issues where a feature has already been created by other WG (a separate building block should be created for that WID), or for work involving significant changes over multiple CRs in CT1 (where a separate feature WID should be created).

## 5 Expected Output and Time scale

|  |
| --- |
| **Impacted existing TS/TR** *{One line per specification. Create/delete lines as needed}* |
| TS/TR No. | Description of change  | Target completion plenary# | Remarks |
| 23.122 | changes in the EPS related UE idle mode stage 2 | TSG#102 (December 2023) |  |
| 24.008 | Additional capabilities and corrections relating to: * coding of IEs used by TS 24.301;
* CS fallback; and

interworking with LTE | TSG#102 (December 2023) |  |
| 24.167 | Changes to 3GPP IMS Management Object relating to EPS changes | TSG#102 (December 2023) |  |
| 24.229 | Additional capabilities and corrections to annex L | TSG#102 (December 2023) |  |
| 24.301 | Additional capabilities and corrections | TSG#102 (December 2023) |  |
| 24.302 | Additional capabilities and corrections | TSG#102 (December 2023) |  |
| 24.303 | Additional capabilities and corrections | TSG#102 (December 2023) |  |
| 24.304 | Additional capabilities and corrections | TSG#102 (December 2023) |  |
| 24.305 | Changes to Selective Disabling of 3GPP User Equipment Capabilities arising from EPS changes | TSG#102 (December 2023) |  |
| 24.312 | Additional capabilities and corrections consequent on changes to 24.302 | TSG#102 (December 2023) |  |
| 29.018 | Additional capabilities and corrections relating to: * coding of IEs used by TS 29.118;
* CS fallback; and

interworking with LTE | TSG#102 (December 2023) |  |
| 29.118 | Additional capabilities and corrections | TSG#102 (December 2023) |  |
| 24.368 | Changes and/or addition of EPS Management Objects | TSG#102 (December 2023) |  |

## 6 Work item Rapporteur(s)

Sethi, Anuj, InterDigital

(anuj.sethi@interdigital.com)

## 7 Work item leadership

CT1

## 8 Aspects that involve other WGs

## None

## 9 Supporting Individual Members

|  |
| --- |
| Supporting IM name |
| InterDigital |
| Qualcomm Incorporated |
| Nokia |
| Nokia Shanghai Bell |
| vivo |
| Ericsson |
| HiSilicon |
| Apple |
| Huawei |
| China Mobile |
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