**3GPP TSG-CT WG1 Meeting #125eC1-204738**

**E-meeting, 20th – 28th August 2020**

**3GPP TSG-CT WG3 Meeting #111eC3-204041**

**E-Meeting, 19th – 28th August 2020**

**Source: China Telecom**

**Title: New WID on** **CT aspects on PAP/CHAP protocols usage in 5GS**

**Document for: Approval**

**Agenda Item: 17.1.1**

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: CT aspects on PAP/CHAP protocols usage in 5GS

## Acronym: PAP/CHAP\_PU5G

## Unique identifier:

Potential target Release: {Rel-17}.

## 1 Impacts

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Affects:** | UICC apps | ME | AN | CN | Others (specify) |
| **Yes** |  | x |  | 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 Feature.

|  |  |
| --- | --- |
| 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) |
| 5GS\_Ph1-CT | CT | 750025 |  CT aspects of 5G System - Phase 1 |

### 2.3 Other related Work Items and dependencies

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

**Dependency on non-3GPP (draft) specification**: None.

## 3 Justification

Due to migration from EPS to 5GS and potential requirements related with legacy deployments for access to corporate networks, e.g. support of PAP/CHAP in AAA or LNS owned by 3rd parties, SA2 recommends to support (e)PCO parameters related to PAP / CHAP over 5GS as well. Based on the Liaison Statement in S2-2004481, this work item is to realise the CT aspects of PAP/CHAP protocols usage in 5GS.

## 4 Objective

The feature is to realise the CT aspects on PAP/CHAP protocols usage in 5GS. The feature can apply to R15, R16 as well.

For CT1, the expected work includes:

* Potentially recommend the UE to include the DNN when PAP/CHAP is used in a PDU session

For CT3, the expected work includes:

* Possible interworking between SMF with AAA to perform the PAP/CHAP Authentication.

## 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 |
| 24.501 | * Potentially recommend the UE to include the DNN when PAP/CHAP is used in a PDU session
 | CT#91e(March2021) | CT1 responsibility |
| 29.561 | * Possible impact on the interworking with AAA to perform PAP/CHAP Authentication.
 | CT#91e(March2021) | CT3 responsibility |

## 6 Work item Rapporteur(s)

Mingxue Li, China Telecom, limx36@chinatelecom.cn

## 7 Work item leadership

CT3

## 8 Aspects that involve other WGs

SA3

## 9 Supporting Individual Members

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| --- |
| Supporting IM name |
| China Telecom |
| China Mobile |
|  |
| Telstra |
| Huawei |
| HiSilicon |
| ZTE |
| CATT |
| VIVO |
| OPPO |
|  |
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