**3GPP TSG-SA3 Meeting #116 *S3-241791r1***

**Jeju, South Korea, 20th - 24th May 2024**

**Source: Nokia**

**Title: New WID on Security for mobility over non-3GPP access to avoid full primary authentication**

**Document for: Approval**

**Agenda Item: 6**

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 Security for mobility over non-3GPP access to avoid full primary authentication

Acronym: Non3GPPMob\_Sec

Unique identifier: TBD

Potential target Release: Rel-19

# 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 | X | Y |  |
| No |  |  |  |  |  |
| Don't know | X |  |  |  | X |

# 2 Classification of the Work Item and linked work items

## 2.1 Primary classification

### This work item is a …

|  |  |
| --- | --- |
|  | Study |
|  | Normative – Stage 1 |
| X | Normative – Stage 2 |
|  | Normative – Stage 3 |
|  | Normative – Other\* |

**\* Other = e.g. testing**

## 2.2 Parent Work Item

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|  |  |  |  |
| --- | --- | --- | --- |
| Parent Work / Study Items | | | |
| Acronym | Working Group | Unique ID | Title (as in 3GPP Work Plan) |
| FS\_Non3GPPMob\_Sec | SA3 | **1020045** | Study on security enhancement for mobility over non-3GPP access |

### 2.3 Other related Work Items and dependencies

|  |  |  |
| --- | --- | --- |
| Other related Work /Study Items (if any) | | |
| Unique ID | Title | Nature of relationship |
|  |  | {optional free text} |

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

# 3 Justification

As study on security enhancement for mobility over non-3GPP access is getting concluded, we are proposing to start the normative work via this WID.

# 4 Objective

The objectives of this work item are the normative work according to the conclusions from TR 33.702 (Study on security enhancement for mobility over non-3GPP access):

* Define the security aspect of a UE connecting to a new TNAP within the same TNGF.
* Define the security aspect of an N5CW device connecting to a new TWAP within the same TWIF.

Note: More objectives will be added based on the agreement in the TR 33.702.

# 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 33.501 | Security architecture and procedures for 5G system | SA#106  Dec 2024 |  |
|  |  |  |  |

# 6 Work item Rapporteur(s)

Khare, Saurabh saurabh.khare@nokia.com

# 7 Work item leadership

SA3

# 8 Aspects that involve other WGs

Stage 3 aspects covered by CT WGs

# 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** |
| Nokia |
| Charter Communications |
| CableLabs |
| Lenovo |
| Broadcom |
| Xiaomi |
| ChinaMobile |
| Google |
| ZTE |
| Apple |
| Keysight Technologies |
| LGE |
| Rogers Communications |
| Philips International B.V. |
| IIT Delhi, |
| Intel Corporation (UK) Ltd, |