**3GPP TSG-SA3 Meeting #113 *S3-23xxxx***

**Chicago, US, 6-10 November 2023** **(revision of xx-yyxxxx)**

**Source: Ericsson**

**Title: Study on Zero Trust Architecture for the 5GS**

**Document for: Agreement**

**Agenda Item: 6.2**

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: Study on Zero Trust Architecture for the 5GS

Acronym: FS\_ZTA\_5G

Unique identifier:

{A number to be provided by MCC at the plenary}

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 |  |  |
| No |  |  |  |  |  |
| Don't know | X | X |  | X |  |

# 2 Classification of the Work Item and linked work items

## 2.1 Primary classification

### This work item is a …

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

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

## 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 |

### 2.3 Other related Work Items and dependencies

|  |  |  |
| --- | --- | --- |
| Other related Work /Study Items (if any) | | |
| Unique ID | Title | Nature of relationship |
| 960038 | Study on applicability of the Zero Trust Security principles in mobile networks | Rel-18 study restricted to Core Network |

# 3 Justification

SA3 studied the applicability of NIST Zero Trust tenets [2] on the 5G core network in TR 33.894 [1] in Rel-18. The natural next step to continue the work is to study the applicability of the Zero Trust tenets on 5G RAN.

[1] 3GPP TR 33.894, ‘Study on applicability of the zero trust security principles in mobile networks’.

[2] NIST Special Publication 800-207, ‘Zero Trust Architecture’, [Zero Trust Architecture (nist.gov)](https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.800-207.pdf).

# 4 Objective

The objectives of the study are:

- Study the applicability of the NIST Zero Trust tenets [2] on the 5G RAN.

# 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 |
| Internal TR | TR 33.8xx | Study on Zero Trust Architecture for the 5GS | SA#104 (06/2024) | SA#105 (09/2024) |  |
|  |  |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Impacted existing TS/TR {One line per specification. Create/delete lines as needed} | | | |
| TS/TR No. | Description of change | Target completion plenary# | Remarks |
|  | N/A |  |  |
|  |  |  |  |

# 6 Work item Rapporteur(s)

# 7 Work item leadership

SA3

# 8 Aspects that involve other WGs

None identified so far

# 9 Supporting Individual Members

|  |
| --- |
| Supporting IM name |
| Ericsson |
|  |
|  |
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