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

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

**Source: Ericsson**

**Title: New WID 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: New WID on Zero Trust Architecture for the 5GS

Acronym: 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 …

|  |  |
| --- | --- |
|  | 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. In case of Zero Trust it is important that the outcome of the study is documented in a way that could be referred from outside of 3GPP. This is not possible for an 800-series TR.

Therefore, it is proposed to document the outcome of the Rel-18 "Study on applicability of the Zero Trust Security principles in mobile networks" in a 900-series TR. The same TR could also be used to document the outcome of possible further studies on Zero Trust in 3GPP. The intention of such TR is not to re-do nor re-open the analysis done in TR 33.894, but to only document the outcome of TR 33.894.

OR

Therefore, it is proposed to document the outcome of the Rel-18 "Study on applicability of the Zero Trust Security principles in mobile networks" in an informative annex of TS 33.501. The intention of such annex is not to re-do nor re-open the analysis done in TR 33.894, but to only document the outcome of TR 33.894.

[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 work item are:

- Document the outcome of the Rel-18 "Study on applicability of the Zero Trust Security principles in mobile networks" in a 900-series TR. The intention of such TR is not to re-do nor re-open the analysis done in TR 33.894, but to only document the outcome of TR 33.894

OR

- Document the outcome of the Rel-18 "Study on applicability of the Zero Trust Security principles in mobile networks" in an informative annex of TS 33.501. The intention of annex is not to re-do nor re-open the analysis done in TR 33.894, but to only document the outcome of TR 33.894

# 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 |
| External TR | TR 33.9xx | Zero Trust Architecture for the 5GS | SA#106 (12/2024) | SA#107 (03/2025) |  |
|  |  |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Impacted existing TS/TR {One line per specification. Create/delete lines as needed} | | | |
| TS/TR No. | Description of change | Target completion plenary# | Remarks |
| 33.501 | CRs to add an annex | SA#107 (03/2025) |  |
|  |  |  |  |

# 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 |
|  |
|  |
|  |
|  |
|  |