**3GPP TSG-SA3 Meeting #124 draft\_S3-253165-r1**

**Wuhan, China, 13 – 17 October 2025**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **33.369** | **CR** | **0004** | **rev** | - | **Current version:** | **19.0.0** |  |
|  | | | | | | | | |
| *For* ***[HE](http://www.3gpp.org/3G_Specs/CRs.htm" \l "_blank)******[LP](http://www.3gpp.org/3G_Specs/CRs.htm" \l "_blank)*** *on using this form: comprehensive instructions can be found at  <http://www.3gpp.org/Change-Requests>.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Remove the EN in the scope | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | ZTE Corporation | | | | | | | | | |
| ***Source to TSG:*** | S3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | AmbientIoT-SEC | | | | |  | ***Date:*** | | | 2025-9-22 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | F |  | | | | | ***Release:*** | | | Rel-19 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Since the AIoT R19 work is nearly done, the EN in the scope is not needed. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Remove the EN in the scope. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Incomplete specification. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **x** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **x** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **x** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

\* \* \* \* First Change \* \* \* \*

# 1 Scope

The present document specifies the security and privacy aspects of AIoT services in the 5G System (5GS), complying to the requirements in TS 22.369 [4], applicable to the AIoT Device types, traffic types, use cases and connectivity topologies defined in TS 38.300 [3], and based on the architecture defined in TS 23.369 [2].

The AIoT system is defined as private network, i.e. isolated network deployment that does not interact with a public network, e.g. an SNPN.

Security features for AIoT services include:

1. Network Layer Authentication between AIoT device and 5G core

a. AIOTF is the endpoint in the 5G core

b. Credentials are securely stored in the ADM on the network side

NOTE 1: The credentials are assumed to be stored in a secure environment in the ADM. How this is realized is left to implementation. The requirements will reflect this.

c. Secure storage and processing of credentials in the AIoT device.

d. Security aspects of the storage of the credentials at the ADM

2. Confidentiality, anti-replay and integrity protection of information during AIoT service communication

3. Privacy of AIoT device identifiers using the AIoT Temp ID.

4. Security to protect the permanent disabling RF transmission capabilities of AIoT device(s).

\* \* \* \* End of Changes \* \* \* \*