**3GPP TSG-SA3 Meeting #114e *ad-hoc S3-240038-r2***

Electronic meeting, online, 22 - 26 January 2024

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  |  | **CR** | **0153** | **rev** | **1** | **Current version:** | **18.2.0**  |  |
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| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network |  |

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| ***Title:***  | Update to the clause 4.2.3.3.2 - Boot from intended memory devices only  |
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| ***Source to WG:*** | Samsung |
| ***Source to TSG:*** | S3 |
|  |  |
| ***Work item code:*** | SCAS\_5G\_Ph3 |  | ***Date:*** | 2023-12-09 |
|  |  |  |  |  |
| ***Category:*** | F |  | ***Release:*** | Rel-18 |
|  | *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 canbe 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)* |
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| ***Reason for change:*** | Execution Steps of clause 4.2.3.3.2 states the following: “The tester verifies that there is no possibility to access and modify the firmware of the network product without successful authentication.”According to NESAS, this expects the tester to prove a negative, which is extremely difficult. Therefore, it is recommended to change the text.  |
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| ***Summary of change:*** | This CR proposes to update clause 4.2.3.3.2 with the suggested change as follows:“The tester verifies that attempts to access and modify the firmware of the network product are permitted following successful authentication but prevented without prior successful authentication”  |
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| ***Consequences if not approved:*** | Unclear test cases in TS 33.117. |
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| ***Clauses affected:*** | 4.2.3.3.2 |
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|  | **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:*** |  |

\*\*\*\*\*\*\*\*\*\*\*\*\* Start of Change \*\*\*\*\*\*\*\*\*\*\*\*\*

4.2.3.3.2 Boot from intended memory devices only

*Requirement name*: Boot from intended memory devices only

*Requirement reference*: In accordance with industry best practice

*Requirement Description*:

The network product can boot only from the memory devices intended for this purpose.

*Test case*:

**Test Name:** TC\_BOOT\_INT\_MEM\_1

**Purpose:**

Verify that the network product can only boot from memory devices intended for this purpose (e.g. not from external memory like USB key).

**Procedure and execution steps:**

**Pre-Conditions:**

A document which contains information regarding the firmware access mechanism supported by the product and about the memory devices from which the network product can boot.

**Execution Steps**

1. The tester verifies that the network product is configured to boot from memory devices declared in the network product document only.

2. The tester verifies that attempts to access and modify the firmware of the network product are permitted following successful authentication but prevented without prior successful authentication.

**Expected Results:**

The network product cannot boot from a memory device that is not configured in its firmware, and access to the firmware is only possible with the correct authentication.

**Expected format of evidence: NA**

\*\*\*\*\*\*\*\*\*\*\*\*\* End of Change \*\*\*\*\*\*\*\*\*\*\*\*\*