**3GPP TSG-SA3 Meeting #108-e *S3-221944***

**e-meeting, 22nd – 26th August, 2022 Revision of S3-22xxxx**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **33.117** | **CR** | **0075** | **rev** | **-** | **Current version:** | **16.7.0** |  |
|  | | | | | | | | |
| *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:*** | Clarification on Execute rights exclusive for CGI/Scripting directory | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei, HiSilicon | | | | | | | | | |
| ***Source to TSG:*** | S3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | SCAS\_5G | | | | |  | ***Date:*** | | | 2022-08-22 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-16 |
|  | *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:*** | | The requirement is incorrect since the whole system cannot start if some directories cannot be executed. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Add description to cover extra scenarios about the execute right. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Test case is incorrect. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 4.3.4.15 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 1st Change \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*.

#### 4.3.4.15 Execute rights exclusive for CGI/Scripting directory

*Requirement Name*: Only execute rights in CGI/Scripting directory.

*Requirement Description*: If CGI or other scripting technology is used, only the CGI/Scripting directory is configured with execute rights. Other directories used or meant for web content do not have execute rights.

NOTE X: If a directory contains files which need to be accessed by certain services, it can be configured with execute rights.

*Test Case*:

**Test Name:** TC\_EXCLUSIVE\_EXECUTE\_RIGHTS\_FOR\_CGI

**Purpose:**

To test whether the web server only has execute permissions on the CGI/Scripting directory.

**Procedure and execution steps:**

**Pre-Condition:**

If the web server is configured with CGI/Scripting on, this test applies.

**Execution Steps**

**Execute the following steps:**

The tester checks whether the web server is configured such that only the CGI/Scripting directory/directories has/have execute permission set in the web server.

**Expected Results:**

The web server is configured such that only the CGI/Scripting directory has execute permissions in the web server.

NOTE: Generally, it is insufficient to set operating system permissions file rights to avoid that the web server executes code from a particular location. If only operating system access rights are used, additional documentation, e.g. a best practice guide or OS manual, that this is sufficient should be provided.

**Expected format of evidence:**

Depending on the available configuration options, preferably both, but either of these evidences:

- A part of the configuration file / screenshot showing that only the CGI/Scripting directory has execute permissions.

- A part of the configuration file / screenshot showing that non CGI/Scripting directories are denied execute permissions.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* End of 1st Change \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*