**3GPP TSG-CT3 Meeting #116e C3-213070\_r1**

**E-Meeting, 19th – 28th May 2021**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.222** | **CR** | **0205** | **rev** | **1** | **Current version:** | **17.0.0** |  |
|  | | | | | | | | |
| *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 | **X** |

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|  | | | | | | | | | | |
| ***Title:*** | Miscellaneous corrections to the AEF\_Security\_API | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NBI17 | | | | |  | ***Date:*** | | | 2021-05-xx |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-17 |
|  | *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 are some editorial issues and misalignments with the drafting rules still remaining in the description of the AEF\_Security\_API in clause 9.1, in addition to some description text that is not clear enough.  Clause 9.1.2.2.4 should be removed as the parent clause 9.1.2 already clarifies that "There is no resource defined for this API." no matter whether it is a resource associated with a custom operation or not. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | This CR proposes to:   * Enhance the quality of the text of some clauses under clause 9.1 and correct the various remaining editorial issues and misalignments with the drafting rules. * Remove clause 9.1.2.2.4. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | * Some clauses under clause 9.1 remain not clear enough and not aligned with the drafting rules. * The quality of the specification is not improved. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 9.1, 9.1.1, 9.1.2, 9.1.2a.1, 9.1.2a.2.2, 9.1.2a.3.2, 9.1.4.2.1, 9.1.5, 9.1.6 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 does not impact OpenAPI specification files. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Rev 1: Update the reason for change to explain why clause 9.1.2.2.4 should be removed. | | | | | | | | |

\* \* \* Start of changes \* \* \* \*

## 9.1 AEF\_Security\_API

### 9.1.1 API URI

The AEF\_Security\_API service shall use the AEF\_Security\_API.

The request URIs used in HTTP requests from the API invoker towards the API exposing function shall have the Resource URI structure defined in subclause 7.5 with the following clarifications:

- The <apiName>shall be "aef-security".

- The <apiVersion> shall be "v1".

- The <custOpName> shall be set as described in subclause 9.1.2a.

\* \* \* Next changes \* \* \* \*

### 9.1.2 Resources

There is no resource defined for this API.

\* \* \* Next changes \* \* \* \*

\* \* \* Next changes \* \* \* \*

#### 9.1.2a.1 Overview

Custom operations used for this API are summarized in table 9.1.2a.1-1. "{apiRoot}" and "<apiVersion>" are set as described in clause 7.5 and clause 9.1.1 respectively.

Table 9.1.2a.1-1: Custom operations without associated resources

|  |  |  |  |
| --- | --- | --- | --- |
| Operation name | Custom operation URI | Mapped HTTP method | Description |
| check-authentication | /check-authentication | POST | Check authentication request. |
| revoke-authentication | /revoke-authorization | POST | Revoke authorization for service APIs. |

\* \* \* Next changes \* \* \* \*

##### 9.1.2a.2.2 Operation Definition

This method shall support the URI query parameters specified in table 9.1.2a.2.2-1.

Table 9.1.2a.2.2-1: URI query parameters supported by the POST method on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| n/a |  |  |  |  |

This operation shall support the request and response data structures, and response codes specified in tables 9.1.2a.2.2-2 and 9.1.2a.2.2-3.

Table 9.1.2a.2.2-2: Data structures supported by the POST Request Body on this operation

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| CheckAuthenticationReq | M | 1 | Authentication check request data |

Table 9.1.2a.2.2-3: Data structures supported by the POST Response Body on this operation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Response  codes | Description |
| CheckAuthenticationRsp | M | 1 | 200 OK | The request was successful. |

\* \* \* Next changes \* \* \* \*

##### 9.1.2a.3.2 Operation Definition

This method shall support the URI query parameters specified in table 9.1.2a.3.2-1.

Table 9.1.2a.3.2-1: URI query parameters supported by the POST method on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| n/a |  |  |  |  |

This operation shall support the request and response data structures, and response codes specified in tables 9.1.2a.2.3-2 and 9.1.2a.2.3-3.

Table 9.1.2a.2.3-2: Data structures supported by the POST Request Body on this operation

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| RevokeAuthorizationReq | M | 1 | Authorization revocation request data |

Table 9.1.2a.2.3-3: Data structures supported by the POST Response Body on this operation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Response  codes | Description |
| RevokeAuthorizationRsp | M | 1 | 200 OK | The request was successful. |

\* \* \* Next changes \* \* \* \*

##### 9.1.4.2.1 Introduction

This subclause defines the structures to be used in resource representations for the AEF\_Security\_API.

\* \* \* Next changes \* \* \* \*

### 9.1.5 Error Handling

General error responses are defined in subclause 7.7.

\* \* \* Next changes \* \* \* \*

### 9.1.6 Feature negotiation

General feature negotiation procedures are defined in subclause 7.8.

Table 9.1.6-1: Supported Features

|  |  |  |
| --- | --- | --- |
| **Feature number** | **Feature Name** | **Description** |
| n/a |  |  |

\* \* \* End of changes \* \* \* \*