**3GPP TSG-CT WG4 Meeting #105-eC4-214abc**

**E-Meeting, 17th – 27th August 2021 *was* C4-214449**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.505** | **CR** | **0377** | **rev** | **1** | **Current version:** | **17.3.0** |  |
|  | | | | | | | | |
| *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:*** | HssSubscriptionInfo creation providing 201 result code | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | C4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | SBIProtoc17 | | | | |  | ***Date:*** | | | 2021-08-09 |
|  |  | | | |  | |  | | |  |
| ***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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | According to the criteria in TS 29.501, Creating a Resource using PUT, 201 Created shall be returned, and Updating a Resource using PUT, 204 No Content or 200 OK shall be returned (see clause 4.6.1.1 of TS 29.501), the existing definition in HssSubscriptionInfo resource is not aligned with this criteria. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | 1. Make the description of reponse code 204 No Content of the PUT method of HssSubscriptionInfo resource clear. 2. Add the reponse code 201 Created, which is used to indicate the successful creation of this resource, for PUT method of HssSubscriptionInfo resource | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The existing definition of responsd code of PUT PUT method of HssSubscriptionInfo resource is not aligned with the criteria indicated in TS 29.501. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.2.31B.3.1, 5.4.2.29, A.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 introduces backward compatibile new feature to the OpenAPI specification files of TS29505\_Subscription\_Data.yaml. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Rev1:   1. Corrected the editorial error in Table 5.2.31B.3.1-3 | | | | | | | | |

\* \* \* Begin of Changes \* \* \* \*

##### 5.2.31B.3.1 PUT

This method shall support the URI query parameters specified in table 5.2.31B.3.1-1.

Table 5.2.31B.3.1-1: URI query parameters supported by the PUT method on this resource

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

This method shall support the request data structures specified in table 5.2.31B.3.1-2 and the response data structures, and response codes specified in table 5.2.31B.3.1-3.

Table 5.2.31B.3.1-2: Data structures supported by the PUT Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| HssSubscriptionInfo | M | 1 | HSS subscription info |

Table 5.2.31B.3.1-3: Data structures supported by the PUT Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Response  codes | Description |
| n/a |  |  | 204 No Content | Upon successful update of this resource, an empty response body shall be returned. |
| HssSubscriptionInfo | M | 1 | 201 Created | Upon successful creation of this resource, a representation of the created resource containing the HssSubscriptionInfo as allocated by the UDR shall be returned. |
| NOTE: In addition, common data structures as listed in table 5.5-1 are supported. | | | | |

\* \* \* Next Change \* \* \* \*

#### 5.4.2.29 Type: HssSubscriptionInfo

Table 5.4.2.29-1: Definition of type HssSubscriptionInfo

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description |
| hssSubscriptionList | array(HssSubscriptionItem) | M | 1..N | List of hssSubscriptionItem objects |

\* \* \* Next Change \* \* \* \*

## A.2 Nudr\_DataRepository API for Subscription Data

For the purpose of referencing entities in the Open API file defined in this Annex, it shall be assumed that this Open API file is contained in a physical file named "TS29505\_Subscription\_Data.yaml".

openapi: 3.0.0

***(… text not shown for clarity …)***

/subscription-data/{ueId}/context-data/ee-subscriptions/{subsId}/hss-subscriptions:

put:

summary: Create HSS Subscription Info

operationId: Create HSS Subscriptions

tags:

- HSS Event Subscription Info (Document)

parameters:

- name: ueId

in: path

required: true

schema:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/VarUeId'

- name: subsId

in: path

required: true

schema:

type: string

requestBody:

content:

application/json:

schema:

$ref: '#/components/schemas/HssSubscriptionInfo'

required: true

responses:

'204':

description: Upon success, an empty response body shall be returned

'201':

description: Upon successful creation, the created resource shall be returned

content:

application/json:

schema:

$ref: '#/components/schemas/HssSubscriptionInfo'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

***(… text not shown for clarity …)***

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