**3GPP TSG-CT3 Meeting #120e C3-221679**

**E-Meeting, 17th – 25th February 2022**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.675** | **CR** | **0030** | **rev** | **-** | **Current version:** | **17.4.0** |  |
|  | | | | | | | | |
| *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:*** | Update of info and externalDocs fields | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI17 | | | | |  | ***Date:*** | | | 2022-02-25 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | CR modifying Nucmf\_Provisioning API has been agreed and the version number of the corresponding OpenAPI file thus needs to be incremented following the rules in TS 29.501, subclause 4.3.1.  The following agreed CR update the Nucmf\_Provisioning API for the present release:  - TS 29.675 CR #0029 is a backward compatible correction in Rel-17.  As the present release is not yet frozen, the API version needs to be updated from "1.1.0-alpha.1" to "1.1.0-alpha.2".  Since a new TS version will be provided with changes to the OpenAPI specification file, the TS version number included in the "description" field of the "externalDocs" object also needs to be updated.  Furthermore, in the "description" field of the "info" object, at the end of the first and second line two white spaces should be added to make a "hard line break" mark, and in the "description" field of the "externalDocs" object the url part needs to be updated to:  'https://www.3gpp.org/ftp/Specs/archive/29\_series/29.675/'. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | The Nucmf\_Provisioning Service API version incremented to value "1.1.0-alpha.2".  The TS version number in the "description" field of the "externalDocs" object changed to "17.5.0".  The "description" field of the "info" object, two white spaces added at the end of the first and second line.  The url part in the "description" field of the "externalDocs" object updated to:  'https://www.3gpp.org/ftp/Specs/archive/29\_series/29.675/'. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Incorrect API version number, and incorrect TS version number in the "description" field of the "externalDocs" object. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 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's revision history:*** | |  | | | | | | | | |

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

# A.2 Nucmf\_Provisioning API

openapi: 3.0.0

info:

title: Nucmf\_Provisioning

version: 1.1.0-alpha.2

description: |

UCMF\_Provisioning Service.

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externalDocs:

description: >

3GPP TS 29.675 V17.5.0; User Equipment (UE) radio capability provisioning service; Stage 3.

url: https://www.3gpp.org/ftp/Specs/archive/29\_series/29.675/

servers:

- url: '{apiRoot}/nucmf-provisioning/v1'

variables:

apiRoot:

default: https://example.com

description: apiRoot as defined in clause 4.4 of 3GPP TS 29.501

security:

- {}

- oAuth2ClientCredentials:

- nucmf-provisioning

paths:

/provisionings:

post:

summary: Create an Individual UE radio capability provisioning

operationId: CreateProvisioning

tags:

- UE radio capability provisionings (Collection)

requestBody:

description: create new provisionings for a given SCS/AS.

required: true

content:

application/json:

schema:

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

responses:

'201':

description: Created. The creation of an Individual UE radio capability provisioning resource is confirmed and a representation of that resource is returned.

content:

application/json:

schema:

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

headers:

Location:

description: 'Contains the URI of the newly created resource'

required: true

schema:

type: string

'400':

$ref: 'TS29122\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29122\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29122\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29122\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29122\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29122\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29122\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29122\_CommonData.yaml#/components/responses/429'

'500':

description: The RACS data for all RACS IDs were not provisioned successfully.

content:

application/json:

schema:

type: array

items:

$ref: 'TS29122\_RacsParameterProvisioning.yaml#/components/schemas/RacsFailureReport'

minItems: 1

application/problem+json:

schema:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/ProblemDetails'

'503':

$ref: 'TS29122\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29122\_CommonData.yaml#/components/responses/default'

/provisionings/{provisioningId}:

parameters:

- name: provisioningId

in: path

description: Provisioning ID

required: true

schema:

type: string

get:

summary: Get an Individual UE radio capability provisioning

operationId: GetProvisioning

tags:

- Individual UE radio capability provisioning (Document)

responses:

'200':

description: OK. The provisioning information related to the request URI is returned.

content:

application/json:

schema:

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

'400':

$ref: 'TS29122\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29122\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29122\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29122\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29122\_CommonData.yaml#/components/responses/406'

'429':

$ref: 'TS29122\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29122\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29122\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29122\_CommonData.yaml#/components/responses/default'

patch:

summary: Update (PATCH) an Individual UE radio capability provisioning

operationId: UpdateProvisioning

tags:

- Individual UE radio capability provisioning (Document)

requestBody:

description: update an existing parameter provisioning.

required: true

content:

application/merge-patch+json:

schema:

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

responses:

'200':

description: OK. The Individual UE radio capability provisioning resource is modified and a representation of that resource is returned.

content:

application/json:

schema:

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

'400':

$ref: 'TS29122\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29122\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29122\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29122\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29122\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29122\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29122\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29122\_CommonData.yaml#/components/responses/429'

'500':

description: The RACS data for all RACS IDs were not provisioned successfully.

content:

application/json:

schema:

type: array

items:

$ref: 'TS29122\_RacsParameterProvisioning.yaml#/components/schemas/RacsFailureReport'

minItems: 1

application/problem+json:

schema:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/ProblemDetails'

'503':

$ref: 'TS29122\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29122\_CommonData.yaml#/components/responses/default'

put:

summary: Replace (PUT) an Individual UE radio capability provisioning

operationId: ReplaceProvisioning

tags:

- Individual UE radio capability provisioning (Document)

requestBody:

description: update an existing parameter provisioning.

required: true

content:

application/json:

schema:

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

responses:

'200':

description: OK. The Individual UE radio capability provisioning resource is modified and a representation of that resource is returned.

content:

application/json:

schema:

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

'400':

$ref: 'TS29122\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29122\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29122\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29122\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29122\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29122\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29122\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29122\_CommonData.yaml#/components/responses/429'

'500':

description: The RACS data for all RACS IDs were not provisioned successfully.

content:

application/json:

schema:

type: array

items:

$ref: 'TS29122\_RacsParameterProvisioning.yaml#/components/schemas/RacsFailureReport'

minItems: 1

application/problem+json:

schema:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/ProblemDetails'

'503':

$ref: 'TS29122\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29122\_CommonData.yaml#/components/responses/default'

delete:

summary: Remove an Individual UE radio capability provisioning

operationId: RemoveProvisioning

tags:

- Individual UE radio capability provisioning (Document)

responses:

'204':

description: No Content. The Individual UE radio capability resource was successfully removed. The payload body shall be empty.

'400':

$ref: 'TS29122\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29122\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29122\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29122\_CommonData.yaml#/components/responses/404'

'429':

$ref: 'TS29122\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29122\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29122\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29122\_CommonData.yaml#/components/responses/default'

components:

securitySchemes:

oAuth2ClientCredentials:

type: oauth2

flows:

clientCredentials:

tokenUrl: '{tokenUrl}'

scopes:

nucmf-provisioning: Access to the Nucmf\_Provisioning API

schemas:

RacsData:

description: Represents a UE radio capability data provided by the NF service consumer.

type: object

properties:

suppFeat:

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

racsConfigs:

type: object

additionalProperties:

$ref: 'TS29122\_RacsParameterProvisioning.yaml#/components/schemas/RacsConfiguration'

minProperties: 1

description: Identifies the configuration related to manufacturer specific UE radio capability. Each element uniquely identifies an RACS configuration for an RACS ID and is identified in the map via the RACS ID as key. The response shall include successfully provisioned RACS data.

racsReports:

type: object

additionalProperties:

$ref: 'TS29122\_RacsParameterProvisioning.yaml#/components/schemas/RacsFailureReport'

minProperties: 1

description: Contains the RACS IDs for which the RACS data are not provisioned successfully. The failure reason is also included. Any string value can be used as a key of the map.

readOnly: true

required:

- racsConfigs

RacsDataPatch:

description: Represents a modification of a UE radio capability data provided by the NF service consumer.

type: object

properties:

racsConfigs:

type: object

additionalProperties:

$ref: 'TS29122\_RacsParameterProvisioning.yaml#/components/schemas/RacsConfigurationRm'

minProperties: 1

description: Identifies the configuration related to manufacturer specific UE radio capability. Each element uniquely identifies an RACS configuration for an RACS ID and is identified in the map via the RACS ID as key.

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