**3GPP TSG-CT WG1 Meeting #152C1-247188**

**Orlando, US, 18-22 November 2024**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.549** | **CR** | **0044** | **rev** | **-** | **Current version:** | **18.3.0** |  |
|  | | | | | | | | |
| *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 | **X** | Radio Access Network |  | Core Network | **X** |

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| ***Title:*** | Update of info and externalDocs fields | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Lenovo | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI18 | | | | |  | ***Date:*** | | | 2024-11-25 |
|  |  | | | |  | |  | | |  |
| ***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 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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | CRs modifying ETC\_Configuration API and NSCE\_SliceInfo API have been agreed and the version number of the corresponding OpenAPI file thus needs to be incremented following the rules in TS 29.501, clause 4.3.1.  The following agreed CR update the ETC\_Configuration API for the present release:  - TS 24.549 CR #0041 is a backward compatible correction in Rel-18.  The following agreed CR update the NSCE\_SliceInfo API for the present release:  - TS 24.549 CR #0043 adds how the NSCE server notifies network slice information delivery to the NSCE client in Rel-18.  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. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | The ETC\_Configuration API version number set to value "1.0.2".  The NSCE\_SliceInfo API version number set to value "1.1.0".  The TS version number in the "description" field of the "externalDocs" object is changed to "18.4.0". | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Incorrect API version number and incorrect TS version number in the "description" field of the "externalDocs" object. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | C.2, C.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 \*\*\*

# C.2 ETC\_Configuration API

openapi: 3.0.0

info:

title: ETC\_Configuration

version: 1.0.2

description: |

API for event triggered network slice adaptation configuration.

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externalDocs:

description: >

3GPP TS 24.549 V18.4.0 Application Data Analytics Enablement Service; Stage 3.

url: https://www.3gpp.org/ftp/Specs/archive/24\_series/24.549/

security:

- {}

- oAuth2ClientCredentials: []

servers:

- url: '{apiRoot}/su\_nsc/v1'

variables:

apiRoot:

default: https://example.com

description: apiRoot as defined in clause 5.2.4 of 3GPP TS 29.122.

paths:

/configurations/{configurationId}:

put:

description: >

Perfomrs event triggered network slice adaptation.

operationId: EventTriggeredNetworkAdaptation

tags:

- Event triggered network adaptation (Document)

parameters:

- name: configurationId

description: String identifying the resource.

in: path

required: true

schema:

type: string

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'204':

description: >

No Content. The requested network slice adaptation is successfullyprocessed.

'307':

$ref: 'TS29122\_CommonData.yaml#/components/responses/307'

'308':

$ref: 'TS29122\_CommonData.yaml#/components/responses/308'

'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':

$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: {}

schemas:

NwSliceAdptEvent:

description: >

Represents the event associated with triggered network slice adaptation

with the underlying network.

type: object

properties:

valUeIds:

type: array

minItems: 1

items:

$ref: 'TS29549\_SS\_UserProfileRetrieval.yaml#/components/schemas/ValTargetUe'

sliceId:

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

dnn:

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

appReqs:

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

required:

- valUeIds

- sliceId

AppReqs:

description: Represents requirements for the requested application.

type: object

properties:

timeIntervals:

type: array

minItems: 1

items:

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

area:

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

ratType:

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

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

# C.3 NSCE\_SliceInfo API

openapi: 3.0.0

info:

title: NSCE\_SliceInfo

version: 1.0.1

description: |

API for notification of slice information.

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externalDocs:

description: >

3GPP TS 24.549 V18.4.0 Network slice capability enablement- Service Enabler;

Architecture Layer for Verticals (SEAL); Protocol specification; Stage 3.

url: https://www.3gpp.org/ftp/Specs/archive/24\_series/24.549/

security:

- {}

- oAuth2ClientCredentials: []

servers:

- url: '{apiRoot}/nsce\_sliceinfo/v1'

variables:

apiRoot:

default: https://example.com

description: apiRoot as defined in clause 5.2.4 of 3GPP TS 29.122.

paths:

/edn-slice-subscriptions:

post:

# This is a pseudo operation, NF service consumers shall NOT invoke this method!

requestBody:

required: true

content:

application/json:

# Unspecified schema for the JSON body, since this is neither used by consumer nor by the producer.

schema: {}

responses:

default:

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

callbacks:

SliceNotification:

'{callbackUri}':

# The URI in {callbackUri} is not provided by SNSCE-C via NSCE\_SliceInfo API in this Release.

post:

requestBody:

required: true

content:

application/json:

schema:

$ref: 'TS29435\_NSCE\_ServiceContinuity.yaml#/components/schemas/EdgeSCRequirementNotif'

responses:

'204':

description: No Content, notification was succesfull.

'307':

$ref: 'TS29122\_CommonData.yaml#/components/responses/307'

'308':

$ref: 'TS29122\_CommonData.yaml#/components/responses/308'

'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':

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

'503':

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

default:

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

/plmn-slice-subscriptions:

post:

# This is a pseudo operation, NF service consumers shall NOT invoke this method!

requestBody:

required: true

content:

application/json:

# Unspecified schema for the JSON body, since this is neither used by consumer nor by the producer.

schema: {}

responses:

default:

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

callbacks:

InterPlmnSliceNotification:

'{callbackUri}':

# The URI in {callbackUri} is not provided by SNSCE-C via NSCE\_SliceInfo API in this Release.

post:

requestBody:

required: true

content:

application/json:

schema:

$ref: 'TS29435\_NSCE\_InterPLMNContinuity.yaml#/components/schemas/InterPlmnServContNotif'

responses:

'204':

description: No Content, notification was succesfull.

'307':

$ref: 'TS29122\_CommonData.yaml#/components/responses/307'

'308':

$ref: 'TS29122\_CommonData.yaml#/components/responses/308'

'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':

$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: {}

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