**3GPP TSG CT WG3 Meeting #135 *C3-243107r1***

**Hyderabad, IN, 27th – 31st May, 2024**

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| --- |
| *CR-Form-v12.3* |
| **CHANGE REQUEST** |
|  |
|  | **29.435** | **CR** | **0033** | **rev** | **-** | **Current version:** | **18.0.0** |  |
|  |
| *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** |

|  |
| --- |
|  |
| ***Title:***  | Corrections to NSCE\_InterPLMNContinuity data model and open API |
|  |  |
| ***Source to WG:*** | Nokia  |
| ***Source to TSG:*** | CT3 |
|  |  |
| ***Work item code:*** | NSCALE |  | ***Date:*** | 2024-05-20 |
|  |  |  |  |  |
| ***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 canbe 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:*** | Following items were identified that require corrections: 1. 6.12.6.2.4 Type: InterPlmnServContNotif - mismatch between data model and open API
 |
|  |  |
| ***Summary of change:*** | Above indicated clauses are corrected to align data model with open API. |
|  |  |
| ***Consequences if not approved:*** | Incorrect stage-3 specification. |
|  |  |
| ***Clauses affected:*** | 6.12.6.2.4, A.13 |
|  |  |
|  | **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 compatible corrections to the open API – NSCE\_InterPLMNContinuity API |
|  |  |
| ***This CR's revision history:*** |  |

\* \* \* \* First change \* \* \* \*

##### 6.12.6.2.4 Type: InterPlmnServContNotif

Table 6.12.6.2.4-1: Definition of type InterPlmnServContNotif

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| valServId | string | M | 1 | Represents the identifier of the VAL service to which the notification is related. |  |
| ueIds | array(string) | O | 1..N | Contains the list of the identifier(s) of the impacted VAL UE(s). |  |
| netSliceId | NetSliceId | M | 1 | Represents the identifier of the network slice to which the notification is related. |  |
| plmnId | PlmnId | M | 1 | Contains the identifier of the PLMN to which the notification is related. |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| targetServArea | array(GeographicArea) | M | 1..N | Contains the target service area. |  |

\* \* \* \* Next change \* \* \* \*

# A.13 NSCE\_InterPLMNContinuity API

openapi: 3.0.0

info:

 title: NSCE Server Inter-PLMN Service Continuity Service

 version: 1.0.0-alpha.3

 description: |

 NSCE Server Inter-PLMN Service Continuity Service.

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externalDocs:

 description: >

 3GPP TS 29.435 V18.0.0; Service Enabler Architecture Layer for Verticals (SEAL);

 Network Slice Capability Enablement (NSCE) Server Service(s); Stage 3.

 url: https://www.3gpp.org/ftp/Specs/archive/29\_series/29.435/

servers:

 - url: '{apiRoot}/nsce-ipc/v1'

 variables:

 apiRoot:

 default: https://example.com

 description: apiRoot as defined in clause 6.5 of 3GPP TS 29.549

security:

 - {}

 - oAuth2ClientCredentials: []

paths:

 /request:

 post:

 summary: Enables to request inter-PLMN application service continuity.

 operationId: InterPlmnServContReq

 tags:

 - Inter-PLMN Application Service Continuity Request

 requestBody:

 required: true

 content:

 application/json:

 schema:

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

 responses:

 '204':

 description: >

 No Content. The inter-PLMN application service continuity request is successfully

 received and processed.

 '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'

 callbacks:

 InterPlmnServContNotif:

 '{$request.body#/notifUri}':

 post:

 requestBody:

 required: true

 content:

 application/json:

 schema:

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

 responses:

 '204':

 description: >

 No Content. The Inter-PLMN Service Continuity Notification is successfully

 received and processed.

 '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:

#

# STRUCTURED DATA TYPES

#

 InterPlmnServContReq:

 description: >

 Represents the parameters to request inter-PLMN application service continuity.

 type: object

 properties:

 valServId:

 type: string

 ueIds:

 type: array

 items:

 type: string

 minItems: 1

 servContReq:

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

 targetPlmnId:

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

 netSliceId:

 $ref: 'TS29435\_NSCE\_PolicyManagement.yaml#/components/schemas/NetSliceId'

 targetServArea:

 type: array

 items:

 $ref: 'TS29572\_Nlmf\_Location.yaml#/components/schemas/GeographicArea'

 minItems: 1

 appQoSReqs:

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

 notifUri:

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

 suppFeat:

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

 required:

 - valServId

 - servContReq

 - targetPlmnId

 - netSliceId

 - notifUri

 AppReqs:

 description: >

 Represents application QoS requirements.

 type: object

 properties:

 reliability:

 format: float

 type: number

 minimum: 0

 maximum: 100

 delay:

 type: integer

 minimum: 1

 jitter:

 $ref: 'TS29571\_CommonData.yaml#/components/schemas/Uint32'

 anyOf:

 - required: [reliability]

 - required: [delay]

 - required: [jitter]

 InterPlmnServContNotif:

 description: >

 Represents an Inter-PLMN Service Continuity Notification.

 type: object

 properties:

 valServId:

 type: string

 ueIds:

 type: array

 items:

 type: string

 minItems: 1

 netSliceId:

 $ref: 'TS29435\_NSCE\_PolicyManagement.yaml#/components/schemas/NetSliceId'

 plmnId:

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

 targetServArea:

 type: array

 items:

 $ref: 'TS29572\_Nlmf\_Location.yaml#/components/schemas/GeographicArea'

 minItems: 1

 required:

 - valServId

 - netSliceId

 - plmnId

 - targetServArea

# SIMPLE DATA TYPES

#

#

# ENUMERATIONS

#

 ServContReq:

 anyOf:

 - type: string

 enum:

 - EXPECTED\_MIGRATION

 - PREDICTED\_MIGRATION

 - type: string

 description: >

 This string provides forward-compatibility with future extensions to the enumeration

 and is not used to encode content defined in the present version of this API.

 description: |

 Represents a service continuity requirement.

 Possible values are:

 - EXPECTED\_MIGRATION: Indicates that the service continuity requirement is the expected

 migration of the VAL application (or a list of VAL UE(s) of the VAL application) to a

 target area.

 - PREDICTED\_MIGRATION: Indicates that the service continuity requirement is the predicted

 migration of the VAL application (or a list of VAL UE(s) of the VAL application) to a

 target area.

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