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

**E-Meeting, 17th – 27th August 2021 *was* C4-214470**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.504** | **CR** | **0150** | **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:*** | Get the PP data of mutiple AFs | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | C4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI17, 5G\_CIoT | | | | |  | ***Date:*** | | | 2021-08-09 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***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:*** | | A new resource is defined to support getting all the valid entries of Network Configuration parameters. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Adds the new resource which is defined to support getting all the valid entries of Network Configuration parameters. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Newly defined resource is missing. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | A.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS 29.505 CR 0380 | | |
| ***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 TS29504\_Nudr\_DR. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Rev1:   1. Added the Other specs affected on cover page. 2. Corrected the impacted penAPI specification file | | | | | | | | |

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

## A.2 Nudr\_DataRepository API

This Annex specifies the formal definition of the Nudr\_DataRepository service. It consists of OpenAPI 3.0.0 specifications, in YAML format.

The OpenAPI 3.0.0 definition related to SubscriptionData shall comply with the definition in 3GPP TS 29.505 [2].

The OpenAPI 3.0.0 definition related to PolicyData, StructuredDataForExposure and ApplicationData shall comply with the definition in 3GPP TS 29.519 [3].

The OpenAPI file for the Nudr\_DataRepository API is defined as follows:

openapi: 3.0.0

info:

version: 2.2.0-alpha.4

title: 'Nudr\_DataRepository API OpenAPI file'

description: |

Unified Data Repository Service.

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externalDocs:

description: 3GPP TS 29.504 V17.3.0; 5G System; Unified Data Repository Services; Stage 3

url: 'http://www.3gpp.org/ftp/Specs/archive/29\_series/29.504/'

servers:

- description: API root

url: '{apiRoot}/nudr-dr/v2'

variables:

apiRoot:

default: https://example.com

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

paths:

/subscription-data/{ueId}/authentication-data/authentication-subscription:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1authentication-data~1authentication-subscription'

/subscription-data/{ueId}/authentication-data/authentication-status:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1authentication-data~1authentication-status'

/subscription-data/{ueId}/authentication-data/authentication-status/{servingNetworkName}:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1authentication-data~1authentication-status~1%7BservingNetworkName%7D'

/subscription-data/{ueId}/ue-update-confirmation-data/sor-data:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1ue-update-confirmation-data~1sor-data'

/subscription-data/{ueId}/ue-update-confirmation-data/upu-data:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1ue-update-confirmation-data~1upu-data'

/subscription-data/{ueId}/ue-update-confirmation-data/subscribed-cag:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1ue-update-confirmation-data~1subscribed-cag'

/subscription-data/{ueId}/ue-update-confirmation-data/subscribed-snssais:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1ue-update-confirmation-data~1subscribed-snssais'

/subscription-data/{ueId}/{servingPlmnId}/provisioned-data:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1%7BservingPlmnId%7D~1provisioned-data'

/subscription-data/{ueId}/{servingPlmnId}/provisioned-data/am-data:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1%7BservingPlmnId%7D~1provisioned-data~1am-data'

/subscription-data/{ueId}/{servingPlmnId}/provisioned-data/smf-selection-subscription-data:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1%7BservingPlmnId%7D~1provisioned-data~1smf-selection-subscription-data'

/subscription-data/{ueId}/{servingPlmnId}/provisioned-data/sm-data:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1%7BservingPlmnId%7D~1provisioned-data~1sm-data'

/subscription-data/{ueId}/{servingPlmnId}/provisioned-data/lcs-bca-data:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1%7BservingPlmnId%7D~1provisioned-data~1lcs-bca-data'

/subscription-data/{ueId}/context-data:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1context-data'

/subscription-data/{ueId}/context-data/amf-3gpp-access:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1context-data~1amf-3gpp-access'

/subscription-data/{ueId}/context-data/amf-non-3gpp-access:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1context-data~1amf-non-3gpp-access'

/subscription-data/{ueId}/context-data/smf-registrations:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1context-data~1smf-registrations'

/subscription-data/{ueId}/context-data/smf-registrations/{pduSessionId}:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1context-data~1smf-registrations~1%7BpduSessionId%7D'

/subscription-data/{ueId}/operator-specific-data:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1operator-specific-data'

/subscription-data/{ueId}/context-data/smsf-3gpp-access:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1context-data~1smsf-3gpp-access'

/subscription-data/{ueId}/context-data/smsf-non-3gpp-access:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1context-data~1smsf-non-3gpp-access'

/subscription-data/{ueId}/context-data/location:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1context-data~1location'

/subscription-data/{ueId}/context-data/ip-sm-gw:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1context-data~1ip-sm-gw'

/subscription-data/{ueId}/context-data/mwd:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1context-data~1mwd'

/subscription-data/{ueId}/{servingPlmnId}/provisioned-data/sms-mng-data:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1%7BservingPlmnId%7D~1provisioned-data~1sms-mng-data'

/subscription-data/{ueId}/{servingPlmnId}/provisioned-data/sms-data:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1%7BservingPlmnId%7D~1provisioned-data~1sms-data'

/subscription-data/{ueId}/lcs-privacy-data:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1lcs-privacy-data'

/subscription-data/{ueId}/lcs-mo-data:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1lcs-mo-data'

/subscription-data/{ueId}/pp-data:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1pp-data'

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

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1context-data~1ee-subscriptions'

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

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1context-data~1ee-subscriptions~1%7BsubsId%7D'

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

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1context-data~1ee-subscriptions~1%7BsubsId%7D~1amf-subscriptions'

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

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1context-data~1ee-subscriptions~1%7BsubsId%7D~1smf-subscriptions'

/subscription-data/group-data/{ueGroupId}/ee-subscriptions:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1group-data~1%7BueGroupId%7D~1ee-subscriptions'

/subscription-data/group-data/{ueGroupId}/ee-subscriptions/{subsId}:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1group-data~1%7BueGroupId%7D~1ee-subscriptions~1%7BsubsId%7D'

/subscription-data/group-data/{ueGroupId}/ee-profile-data:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1group-data~1%7BueGroupId%7D~1ee-profile-data'

/subscription-data/group-data/5g-vn-groups:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1group-data~15g-vn-groups'

/subscription-data/group-data/5g-vn-groups/{externalGroupId}:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1group-data~15g-vn-groups~1%7BexternalGroupId%7D'

/subscription-data/group-data/5g-vn-groups/internal:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1group-data~15g-vn-groups~1internal'

/subscription-data/group-data/5g-vn-groups/pp-profile-data:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1group-data~15g-vn-groups~1pp-profile-data'

/subscription-data/{ueId}/ee-profile-data:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1ee-profile-data'

/subscription-data/{ueId}/context-data/sdm-subscriptions:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1context-data~1sdm-subscriptions'

/subscription-data/{ueId}/context-data/sdm-subscriptions/{subsId}:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1context-data~1sdm-subscriptions~1%7BsubsId%7D'

/subscription-data/shared-data:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1shared-data'

/subscription-data/subs-to-notify:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1subs-to-notify'

/subscription-data/subs-to-notify/{subsId}:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1subs-to-notify~1%7BsubsId%7D'

/subscription-data/{ueId}/{servingPlmnId}/provisioned-data/trace-data:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1%7BservingPlmnId%7D~1provisioned-data~1trace-data'

/subscription-data/{ueId}/identity-data:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1identity-data'

/subscription-data/{ueId}/operator-determined-barring-data:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1operator-determined-barring-data'

/subscription-data/{ueId}/nidd-authorization-data:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1nidd-authorization-data'

/subscription-data/{ueId}/v2x-data:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1v2x-data'

/subscription-data/{ueId}/pp-profile-data:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1pp-profile-data'

/subscription-data/{ueId}/coverage-restriction-data:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1coverage-restriction-data'

/subscription-data/group-data/group-identifiers:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1group-data~1group-identifiers'

/subscription-data/{ueId}/prose-data:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1prose-data'

/subscription-data/{ueId}/pp-data-store:

$ref: 'TS29505\_Subscription\_Data.yaml#/paths/~1subscription-data~1%7BueId%7D~1pp-data-store'

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

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