**3GPP TSG-CT3 Meeting #122e C3-223730**

**E-Meeting, 12th – 20th May 2022**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.575** | **CR** | **0020** | **rev** | **-** | **Current version:** | **17.0.0** |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **x** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Update of info and externalDocs fields | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | China Mobile | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI17 | | | | |  | ***Date:*** | | | 2022-05-24 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | CRs modifying the Nadrf\_DataManagement API have been agreed and the version number of the corresponding OpenAPI file thus needs to be incremented following the rules in 3GPP TS 29.501, clause 4.3.1.  The following agreed CRs update the OpenAPI file for Nadrf\_DataManagement API for the present release:   * CR#0002 impacts the OpenAPI file with a backwards compatible feature. * CR#0005 impacts the OpenAPI file with a backwards compatible feature. * CR#0006 impacts the OpenAPI file with a backwards compatible feature. * CR#0008 impacts the OpenAPI file with a backwards compatible correction. * CR#0019 impacts the OpenAPI file with a backwards compatible correction. * CR#0354 of 3GPP TS 29.571 impacts the OpenAPI file with a backwards compatible correction.   As some backward compatible corrections and features (but no backward incompatible changes or backward compatible new features) are added of the present release, and the release will be frozen, the draft version number is removed. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | The Nadrf\_DataManagement API version incremented from value "1.0.0-alpha.3" to value "1.0.0", and the TS version in the externalDocs field from 17.0.0 to 17.1.0. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Incorrect API version number and TS version in externalDocs field. | | | | | | | | |
|  | |  | | | | | | | | |
| ***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 introduces backward compatible corrections to Nadrf\_DataManagement API. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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

## A.2 Nadrf\_DataManagement API

openapi: 3.0.0

info:

version: 1.0.0

title: Nadrf\_DataManagement

description: |

ADRF Data Management Service.

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externalDocs:

description: 3GPP TS 29.575 V17.1.0; 5G System; Analytics Data Repository Services; Stage 3.

url: 'https://www.3gpp.org/ftp/Specs/archive/29\_series/29.575/'

#

servers:

- url: '{apiRoot}/nadrf-datamanagement/v1'

variables:

apiRoot:

default: https://example.com

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

#

security:

- oAuth2ClientCredentials:

- nadrf-datamanagement

- {}

#

paths:

/data-store-records:

post:

summary: Creates a new Individual Data Store Record resource.

operationId: CreateADRFDataStoreRecord

tags:

- ADRF Data Store Records (Collection)

requestBody:

content:

application/json:

schema:

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

required: true

description: ADRF data store record to be stored.

responses:

'201':

description: Successful creation of new Individual ADRF Data Store Record resource.

headers:

Location:

description: 'Contains the URI of the newly created resource, according to the structure: {apiRoot}/nadrf-datamanagement/v1/data-store-records/{storeTransId}'

required: true

schema:

type: string

content:

application/json:

schema:

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

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

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

get:

summary: "Retrieves existing Individual ADRF Data Store Records"

operationId: GetAdrfDataStoreRecords

tags:

- ADRF Data Store Records (Collection)

parameters:

- name: store-trans-id

description: A storage transaction identifier of a data store record in ADRF.

in: query

required: false

schema:

type: string

- name: fetch-correlation-ids

description: Fetch correlation identifiers received as part of fetch instruction.

in: query

required: false

style: form

explode: false

schema:

type: array

items:

type: string

minItems: 1

- name: ana-sub

description: Represents analytics event subscription.

in: query

required: false

content:

application/json:

schema:

$ref: 'TS29520\_Nnwdaf\_EventsSubscription.yaml#/components/schemas/NnwdafEventsSubscription'

- name: amf-data-sub

description: Represents AMF event subscription.

in: query

required: false

content:

application/json:

schema:

$ref: 'TS29518\_Namf\_EventExposure.yaml#/components/schemas/AmfEventSubscription'

- name: smf-data-sub

description: Represents SMF event subscription.

in: query

required: false

content:

application/json:

schema:

$ref: 'TS29508\_Nsmf\_EventExposure.yaml#/components/schemas/NsmfEventExposure'

- name: nef-data-sub

description: Represents NEF event subscription.

in: query

required: false

content:

application/json:

schema:

$ref: 'TS29591\_Nnef\_EventExposure.yaml#/components/schemas/NefEventExposureSubsc'

- name: udm-data-sub

description: Represents UDM event subscription.

in: query

required: false

content:

application/json:

schema:

$ref: 'TS29503\_Nudm\_EE.yaml#/components/schemas/EeSubscription'

- name: af-data-sub

description: Represents AF event subscription.

in: query

required: false

content:

application/json:

schema:

$ref: 'TS29517\_Naf\_EventExposure.yaml#/components/schemas/AfEventExposureSubsc'

- name: time-period

description: Represents a start time and a stop time during which requested data is collected or to be collected.

in: query

required: false

content:

application/json:

schema:

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

responses:

'200':

description: Data store records are returned.

content:

application/json:

schema:

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

'204':

description: No matching ADRF data were found.

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

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

/data-store-records/{storeTransId}:

delete:

summary: Delete an existing Individual ADRF Data Store Record

operationId: DeleteADRFDataStoreRecord

tags:

- Individual ADRF Data Store Record (Document)

parameters:

- name: storeTransId

in: path

description: String identifying a Data Store Record in ADRF

required: true

schema:

type: string

responses:

'204':

description: No Content. The Individual ADRF Data Store Record resource matching the storeTransId was deleted.

'307':

$ref: 'TS29571\_CommonData.yaml#/components/responses/307'

'308':

$ref: 'TS29571\_CommonData.yaml#/components/responses/308'

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

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

/data-retrieval-subscriptions:

post:

summary: Creates a new Individual ADRF Data Retrieval Subscription resource.

operationId: CreateADRFDataRetrievalSubscription

tags:

- ADRF Data Retrieval Subscriptions (Collection)

requestBody:

content:

application/json:

schema:

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

required: true

description: Individual ADRF Data Retrieval Subscription resource to be created.

responses:

'201':

description: Created a new Individual ADRF Data Retrieval Subscription resource.

headers:

Location:

description: 'Contains the URI of the newly created resource, according to the structure: {apiRoot}/nadrf-datamanagement/v1/data-retrieval-subscriptions/{subscriptionId}'

required: true

schema:

type: string

content:

application/json:

schema:

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

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

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

callbacks:

adrfDataRetrievalNotification:

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

post:

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'204':

description: The receipt of the Notification is acknowledged.

'307':

$ref: 'TS29571\_CommonData.yaml#/components/responses/307'

'308':

$ref: 'TS29571\_CommonData.yaml#/components/responses/308'

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

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

/data-retrieval-subscriptions/{subscriptionId}:

delete:

summary: Delete an existing Individual ADRF Data Retrieval Subscription

operationId: DeleteADRFDataRetrievalSubscription

tags:

- Individual ADRF Data Retrieval Subscription (Document)

parameters:

- name: subscriptionId

in: path

description: String identifying a data retrieval subscription to the Nadrf\_DataManagement Service.

required: true

schema:

type: string

responses:

'204':

description: No Content. The Individual ADRF Data Retrieval Subscription resource matching the subscriptionId was deleted.

'307':

$ref: 'TS29571\_CommonData.yaml#/components/responses/307'

'308':

$ref: 'TS29571\_CommonData.yaml#/components/responses/308'

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

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

/request-storage-sub:

post:

summary: Triggers the creation of a new ADRF Storage Subscription.

operationId: CreateADRFStorageSubscription

tags:

- ADRF Storage Subscriptions

requestBody:

content:

application/json:

schema:

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

required: true

responses:

'200':

description: Successful response with reference used to identify the subscription at the ADRF.

content:

application/json:

schema:

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

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

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

/request-storage-sub-removal:

post:

summary: triggers the removal of ADRF storage subscription.

operationId: DeleteADRFStorageSubscription

tags:

- ADRF Storage Subscriptions

requestBody:

content:

application/json:

schema:

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

required: true

responses:

'204':

description: No Content. The ADRF Storage Subscription matching the provided reference was deleted.

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

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

/remove-stored-data-analytics:

post:

summary: remove ADRF data based on data or analytics specification.

operationId: DeleteADRFData

tags:

- ADRF Stored Data

requestBody:

content:

application/json:

schema:

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

required: true

responses:

'204':

description: No Content. The ADRF data matching the provided specification is deleted.

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

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

#

components:

securitySchemes:

oAuth2ClientCredentials:

type: oauth2

flows:

clientCredentials:

tokenUrl: '{nrfApiRoot}/oauth2/token'

scopes:

nadrf-datamanagement: Access to the nadrf-datamanagement API

#

schemas:

#

NadrfDataStoreRecord:

description: Represents an Individual ADRF Data Store Record.

type: object

oneOf:

- required: [anaNotifications]

- required: [amfEventNotifs]

- required: [smfEventNotifs]

- required: [udmEventNotifs]

- required: [nefEventNotifs]

- required: [afEventNotifs]

properties:

anaNotifications:

type: array

items:

$ref: 'TS29520\_Nnwdaf\_EventsSubscription.yaml#/components/schemas/NnwdafEventsSubscriptionNotification'

minItems: 1

description: List of analytics subscription notifications.

amfEventNotifs:

type: array

items:

$ref: 'TS29518\_Namf\_EventExposure.yaml#/components/schemas/AmfEventNotification'

minItems: 1

description: List of notifications of AMF events.

smfEventNotifs:

type: array

items:

$ref: 'TS29508\_Nsmf\_EventExposure.yaml#/components/schemas/NsmfEventExposureNotification'

minItems: 1

description: List of notifications of SMF events.

udmEventNotifs:

type: array

items:

$ref: 'TS29503\_Nudm\_EE.yaml#/components/schemas/MonitoringReport'

minItems: 1

description: List of notifications of UDM events.

nefEventNotifs:

type: array

items:

$ref: 'TS29591\_Nnef\_EventExposure.yaml#/components/schemas/NefEventExposureNotif'

minItems: 1

description: List of notifications of NEF events.

afEventNotifs:

type: array

items:

$ref: 'TS29517\_Naf\_EventExposure.yaml#/components/schemas/AfEventExposureNotif'

minItems: 1

description: List of notifications of AF events.

#

NadrfDataStoreSubscription:

description: Contains information to be used by the ADRF to create a Data or Analytics subscription.

type: object

allOf:

- oneOf:

- required: [anaSub]

- required: [dataSub]

- oneOf:

- required: [targetNfId]

- required: [targetNfSetId]

properties:

anaSub:

$ref: 'TS29520\_Nnwdaf\_EventsSubscription.yaml#/components/schemas/NnwdafEventsSubscription'

dataSub:

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

targetNfId:

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

targetNfSetId:

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

formatInstruct:

$ref: 'TS29574\_Ndccf\_DataManagement.yaml#/components/schemas/FormattingInstruction'

procInstruct:

$ref: 'TS29574\_Ndccf\_DataManagement.yaml#/components/schemas/ProcessingInstruction'

#

NadrfDataRetrievalSubscription:

description: Represents an Individual ADRF Data Retrieval Subscription.

type: object

required:

- notifCorrId

- notificationURI

- timePeriod

oneOf:

- required: [anaSub]

- required: [dataSub]

properties:

anaSub:

$ref: 'TS29520\_Nnwdaf\_EventsSubscription.yaml#/components/schemas/NnwdafEventsSubscription'

dataSub:

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

notificationURI:

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

timePeriod:

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

notifCorrId:

type: string

description: Notification correlation identifier.

#

NadrfDataRetrievalNotification:

description: Represents a notification that corresponds with an Individual ADRF Data Retrieval Subscription.

type: object

required:

- notifCorrId

oneOf:

- required: [anaNotifications]

- required: [amfEventNotifs]

- required: [smfEventNotifs]

- required: [udmEventNotifs]

- required: [nefEventNotifs]

- required: [afEventNotifs]

properties:

notifCorrId:

type: string

description: Notification correlation identifier.

anaNotifications:

type: array

items:

$ref: 'TS29520\_Nnwdaf\_EventsSubscription.yaml#/components/schemas/NnwdafEventsSubscriptionNotification'

minItems: 1

description: List of analytics subscription notifications.

amfEventNotifs:

type: array

items:

$ref: 'TS29518\_Namf\_EventExposure.yaml#/components/schemas/AmfEventNotification'

minItems: 1

description: List of notifications of AMF events.

smfEventNotifs:

type: array

items:

$ref: 'TS29508\_Nsmf\_EventExposure.yaml#/components/schemas/NsmfEventExposureNotification'

minItems: 1

description: List of notifications of SMF events.

udmEventNotifs:

type: array

items:

$ref: 'TS29503\_Nudm\_EE.yaml#/components/schemas/MonitoringReport'

minItems: 1

description: List of notifications of UDM events.

nefEventNotifs:

type: array

items:

$ref: 'TS29591\_Nnef\_EventExposure.yaml#/components/schemas/NefEventExposureNotif'

minItems: 1

description: List of notifications of NEF events.

afEventNotifs:

type: array

items:

$ref: 'TS29517\_Naf\_EventExposure.yaml#/components/schemas/AfEventExposureNotif'

minItems: 1

description: List of notifications of AF events.

#

NadrfDataStoreSubscriptionRef:

description: Contains a reference to a request for a Data or Analytics subscription.

type: object

required:

- transRefId

properties:

transRefId:

type: string

description: Transaction reference identifier.

#

NadrfStoredDataSpec:

description: Contains information about Data or Analytics specification.

type: object

required:

- timePeriod

oneOf:

- required: [dataSpec]

- required: [anaSpec]

properties:

dataSpec:

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

anaSpec:

$ref: 'TS29520\_Nnwdaf\_EventsSubscription.yaml#/components/schemas/NnwdafEventsSubscription'

timePeriod:

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

#

DataSubscription:

description: Contains a data specification.

type: object

oneOf:

- required: [amfDataSub]

- required: [smfDataSub]

- required: [udmDataSub]

- required: [nefDataSub]

- required: [afDataSub]

properties:

amfDataSub:

$ref: 'TS29518\_Namf\_EventExposure.yaml#/components/schemas/AmfEventSubscription'

smfDataSub:

$ref: 'TS29508\_Nsmf\_EventExposure.yaml#/components/schemas/NsmfEventExposure'

udmDataSub:

$ref: 'TS29503\_Nudm\_EE.yaml#/components/schemas/EeSubscription'

afDataSub:

$ref: 'TS29517\_Naf\_EventExposure.yaml#/components/schemas/AfEventExposureSubsc'

nefDataSub:

$ref: 'TS29591\_Nnef\_EventExposure.yaml#/components/schemas/NefEventExposureSubsc'

#

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