**3GPP TSG-SA5 Meeting #135-e *S5-211247rev1***

**Online, , 25th Jan 2021 - 3rd Feb 2021**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **28.532** | **CR** | **0165** | **rev** | **-** | **Current version:** | **16.6.0** |  |
|  | | | | | | | | |
| *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 | **X** | Core Network | **X** |

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| ***Title:*** | Rel-16 CR 28.532 Correct definitions for the File MnS (OpenAPI definitions) | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Nokia, Nokia Shanghai Bell | | | | | | | | | |
| ***Source to TSG:*** | SA5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5G\_SLICE\_ePA | | | | |  | ***Date:*** | | | 2021-01-15 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-16 |
|  | *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:*** | | Changes in the IS need to be mirrored to the OpenAPI definitions. Data type names are changed to follow UpperCamel format. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Above identified changes are implemented | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The OpenAPI definitions are not consistent with the IS. Data type names don't follow upperCamel format. | | | | | | | | |
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| ***Clauses affected:*** | | A.7, A.7.1, A.7.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 28.532 ... CR 0163, CR 0164 | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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| **First modification** |

# A.7 File data reporting management service

## A.7.1 Introduction

Clause A.7.2 contains the OpenAPI definition of the File Data Reporting MnS.

Clause A.7.3 provides indications regarding the content of the File Data Reporting MnS notifications when the consumer of these notifications supports the ONAP VES API. This content is sent as payload of VES events (see Annex B).

## A.7.2 OpenAPI document "FileMnS.yaml"

openapi: 3.0.1

info:

title: File Data Reporting MnS

version: 16.7.0

description: >-

OAS 3.0.1 definition of the File Data Reporting MnS

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externalDocs:

description: 3GPP TS 28.532; Generic management services

url: http://www.3gpp.org/ftp/Specs/archive/28\_series/28.532/

servers:

- url: '{MnSRoot}/FileDataReportingMnS/{MnSVersion}'

variables:

MnSRoot:

description: See clause 4.4.2 of TS 32.158

default: http://example.com/3GPPManagement

MnSVersion:

description: Version number of the OpenAPI definition

default: XXX

paths:

/Files:

get:

summary: Read information about available files

description: >-

Information about available files is read with HTTP GET. The files for

which information shall be returned are identified with the path

component (base resource) and the query component (fileDataType, beginTime,

endTime) of the URI.

parameters:

- name: fileDataType

in: query

description: >-

This parameter selects files based on the file data type.

required: true

schema:

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

- name: beginTime

in: query

description: >-

This parameter selects files based on the earliest time they

became available

required: false

schema:

$ref: 'comDefs.yaml#/components/schemas/DateTime'

- name: endTime

in: query

description: >-

This parameter selects files based on the latest time they

became available

required: false

schema:

$ref: 'comDefs.yaml#/components/schemas/DateTime'

responses:

'200':

description: >-

'Success case ("200 OK").

The resources identified in the request for retrieval are returned

in the response message body.'

content:

application/json:

schema:

type: array

items:

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

default:

description: Error case.

content:

application/json:

schema:

$ref: 'comDefs.yaml#/components/schemas/ErrorResponse'

/subscriptions:

post:

summary: Create a subscription

description: >-

To create a subscription the representation of the subscription is

POSTed on the /subscriptions collection resource.

requestBody:

required: true

content:

application/json:

schema:

$ref: 'comDefs.yaml#/components/schemas/Subscription'

responses:

'201':

description: >-

Success case ("201 Created").

The representation of the newly created subscription resource shall

be returned.

content:

application/json:

schema:

$ref: 'faultMnS.yaml#/components/schemas/Subscription'

headers:

Location:

description: URI of the newly created subscription resource

required: true

schema:

type: string

default:

description: Error case.

content:

application/json:

schema:

$ref: 'comDefs.yaml#/components/schemas/ErrorResponse'

callbacks:

notifyFileReady:

'{request.body#/consumerReference}':

post:

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'204':

description: >-

Success case ("204 No Content").

The notification is successfully delivered. The response message

body is absent.

default:

description: Error case.

content:

application/json:

schema:

$ref: 'comDefs.yaml#/components/schemas/ErrorResponse'

notifyFilePreparationError:

'{request.body#/consumerReference}':

post:

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'204':

description: >-

Success case ("204 No Content").

The notification is successfully delivered. The response message

body is absent.

default:

description: Error case.

content:

application/json:

schema:

$ref: 'comDefs.yaml#/components/schemas/ErrorResponse'

/subscriptions/{subscriptionId}:

delete:

summary: Delete a subscription

description: >-

The subscription is deleted by deleting the corresponding subscription

resource. The resource to be deleted is identified with the path

component of the URI.

parameters:

- name: subscriptionId

in: path

description: Identifies the subscription to be deleted.

required: true

schema:

type: string

responses:

'204':

description: >-

Success case ("204 No Content").

The subscription resource has been deleted. The response message body

is absent.

default:

description: Error case.

content:

application/json:

schema:

$ref: 'comDefs.yaml#/components/schemas/ErrorResponse'

components:

schemas:

FileDataType:

type: string

enum:

- Performance

- Trace

- Anatytics

- Proprietary

FileNotificationTypes:

type: string

enum:

- notifyFileReady

- notifyFilePreparationError

FileInfo:

type: object

properties:

fileLocation:

$ref: 'comDefs.yaml#/components/schemas/Uri'

fileSize:

type: integer

fileReadyTime:

$ref: 'comDefs.yaml#/components/schemas/DateTime'

fileExpirationTime:

$ref: 'comDefs.yaml#/components/schemas/DateTime'

fileCompression:

type: string

fileFormat:

type: string

fileDataType:

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

NotifyFileReady:

allOf:

- $ref: 'comDefs.yaml#/components/schemas/NotificationHeader'

- type: object

properties:

fileInfoList:

type: array

items:

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

additionalText:

type: string

NotifyFilePreparationError:

allOf:

- $ref: 'comDefs.yaml#/components/schemas/NotificationHeader'

- type: object

properties:

fileInfoList:

type: array

items:

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

reason:

type: string

additionalText:

type: string

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| **End of modification** |