**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) |
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| ***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 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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
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| ***Reason for change:*** | Changes in the IS need to be mirrored to the OpenAPI definitions. Data type names are changed to follow UpperCamel format. |
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| ***Summary of change:*** | Above identified changes are implemented |
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| ***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** |