**3GPP TSG-CT WG3 Meeting #130 *C3-234091***

**Xiamen, China, 9 - 13 October, 2023**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.538** | **CR** | **0030** | **rev** | **1** | **Current version:** | **18.3.0** |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
|  | | | | | | | | |

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Correction on the openAPI files | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei, HiSilicon, China Mobile, Ericsson | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5GMARCH\_Ph2 | | | | |  | ***Date:*** | | | 2023-09-27 |
|  |  | | | |  | |  | | |  |
| ***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 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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The API in this specification will not be registered into the NRF. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Correction on the clientCredentials of openAPI files | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The API in this specification cannot be registered into the NRF, current openAPI files are incorrect. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | A.2, A.3, A.4, A.5, A.6 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | The CR introduces backward compatible corrections into the OpenAPI files for MSGS\_ASRegistration API, MSGS\_MSGDelivery API, MSGG\_L3GDelivery API, MSGG\_N3GDelivery API and MSGG\_BGDelivery API | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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

A.2 MSGS\_ASRegistration API

openapi: 3.0.0

info:

title: MSGS\_ASRegistration

version: 1.1.0-alpha.1

description: |

API for MSGS AS Registration Service.

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externalDocs:

description: >

3GPP TS 29.538 V18.0.0; Enabling MSGin5G Service; Application Programming Interfaces (API)

specification; Stage 3

url: https://www.3gpp.org/ftp/Specs/archive/29\_series/29.538/

servers:

- url: '{apiRoot}/msgs-asregistration/v1'

variables:

apiRoot:

default: https://example.com

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

security:

- {}

- oAuth2ClientCredentials: []

paths:

/registrations:

post:

summary: Registers a new AS at a MSGin5G Server

tags:

- AS registration

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'201':

description: AS information is registered successfully at MSGin5G Server

content:

application/json:

schema:

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

headers:

Location:

description: 'Contains the URI of the newly created resource'

required: true

schema:

type: string

'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'

/registrations/{registrationId}:

delete:

summary: Delete an existing AS registration at MSGin5G Server

tags:

- AS DeRegistration

parameters:

- name: registrationId

in: path

description: AS registration Id

required: true

schema:

type: string

responses:

'200':

description: The individual AS registration is deleted successfully.

content:

application/json:

schema:

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

'204':

description: >

No Content. The individual AS registration resource is deleted successfully.

'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'

'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: '{tokenUrl}'

scopes: {}

schemas:

#

# STRUCTURED DATA TYPES

#

ASRegistration:

description: AS registration data

type: object

required:

- asSvcId

properties:

asSvcId:

type: string

appId:

type: string

targetUri:

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

asProf:

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

ASRegistrationAck:

description: AS registration response data

type: object

required:

- asSvcId

- result

properties:

asSvcId:

type: string

result:

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

ASProfile:

description: AS profile information

type: object

properties:

appName:

type: string

appProviders:

type: array

items:

type: string

minItems: 1

description: The provider of the AS.

appSenarios:

type: array

items:

type: string

minItems: 1

description: The application scenario.

appCategory:

type: string

asStatus:

type: string

\* \* \* Next Change \* \* \* \*

A.3 MSGS\_MSGDelivery API

openapi: 3.0.0

info:

title: MSGS\_MSGDelivery

version: 1.1.0-alpha.2

description: |

API for MSGG MSGin5G Server Message Delivery Service.

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externalDocs:

description: >

3GPP TS 29.538 V18.3.0; Enabling MSGin5G Service; Application Programming Interfaces (API)

specification; Stage 3

url: https://www.3gpp.org/ftp/Specs/archive/29\_series/29.538/

servers:

- url: '{apiRoot}/msgs-msgdelivery/v1'

variables:

apiRoot:

default: https://example.com

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

security:

- {}

- oAuth2ClientCredentials: []

paths:

/deliver-as-message:

post:

summary: AS deliver message to MSGin5G Server

tags:

- AS Message delivery

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'200':

description: OK, AS Message delivery successful

content:

application/json:

schema:

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

'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'

/deliver-ue-message:

post:

summary: UE deliver message to MSGin5G Server

tags:

- UE Message delivery

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'200':

description: OK, UE Message delivery successful

content:

application/json:

schema:

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

'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'

/deliver-report:

post:

summary: AS or UE deliver status report to MSGin5G Server

tags:

- AS/UE status report delivery

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'200':

description: OK, status report delivery successfully

content:

application/json:

schema:

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

'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: '{tokenUrl}'

scopes: {}

schemas:

#

# STRUCTURED DATA TYPES

#

ASMessageDelivery:

description: Contains the AS message delivery data

type: object

required:

- oriAddr

- destAddr

- msgId

- stoAndFwInd

properties:

oriAddr:

$ref: 'TS29538\_MSGG\_L3GDelivery.yaml#/components/schemas/Address'

destAddr:

$ref: 'TS29538\_MSGG\_L3GDelivery.yaml#/components/schemas/Address'

appId:

type: string

msgId:

type: string

delivStReqInd:

type: boolean

payload:

type: string

priority:

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

segInd:

type: boolean

segParams:

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

stoAndFwInd:

type: boolean

stoAndFwParams:

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

latency:

type: integer

UEMessageDelivery:

description: Contains the UE message delivery data

type: object

required:

- oriAddr

- destAddr

- msgId

- stoAndFwInd

properties:

oriAddr:

$ref: 'TS29538\_MSGG\_L3GDelivery.yaml#/components/schemas/Address'

destAddr:

$ref: 'TS29538\_MSGG\_L3GDelivery.yaml#/components/schemas/Address'

appId:

type: string

msgId:

type: string

delivStReqInd:

type: boolean

payload:

type: string

segInd:

type: boolean

segParams:

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

stoAndFwInd:

type: boolean

stoAndFwParams:

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

MessageDeliveryAck:

description: Contains the message delivery ack data

type: object

required:

- oriAddr

- msgId

properties:

oriAddr:

$ref: 'TS29538\_MSGG\_L3GDelivery.yaml#/components/schemas/Address'

msgId:

type: string

status:

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

failureCause:

type: string

MessageSegmentParameters:

description: Contains the message segment parameters data

type: object

properties:

segId:

type: string

totalSegCount:

type: integer

segNumb:

type: integer

lastSegFlag:

type: boolean

StoreAndForwardParameters:

description: Contains the store and forward parameters data

type: object

properties:

exprTime:

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

DeliveryStatusReport:

description: Contains the delivery status report data

type: object

required:

- oriAddr

- destAddr

- msgId

- delivSt

properties:

oriAddr:

$ref: 'TS29538\_MSGG\_L3GDelivery.yaml#/components/schemas/Address'

destAddr:

$ref: 'TS29538\_MSGG\_L3GDelivery.yaml#/components/schemas/Address'

msgId:

type: string

failureCause:

type: string

delivSt:

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

#

# SIMPLE DATA TYPES

#

#

# ENUMERATIONS

#

DeliveryStatus:

anyOf:

- type: string

enum:

- DELY\_FAILED

- DELY\_STORED

- type: string

description: >

This string provides forward-compatibility with future

extensions to the enumeration but is not used to encode

content defined in the present version of this API.

description: |

Indicates if delivery is a failure, or if the message is stored for deferred delivery.

Possible values are:

- DELY\_FAILED: Indicates that the message delivery is failed.

- DELY\_STORED: Indicates that the message is stored for deferred delivery.

ReportDeliveryStatus:

anyOf:

- type: string

enum:

- REPT\_DELY\_SUCCESS

- REPT\_DELY\_FAILED

- type: string

description: >

This string provides forward-compatibility with future

extensions to the enumeration but is not used to encode

content defined in the present version of this API.

description: |

The delivery status description, including success or failure in delivery.

Possible values are:

- REPT\_DELY\_SUCCESS: Indicates that the report delivery is successful.

- REPT\_DELY\_FAILED: Indicates that the report delivery is failed.

Priority:

anyOf:

- type: string

enum:

- HIGH

- MIDDLE

- LOW

- type: string

description: >

This string provides forward-compatibility with future

extensions to the enumeration but is not used to encode

content defined in the present version of this API.

description: |

Application priority level requested for this message.

Possible values are:

- HIGH: Indicates the messages should be sent in high priority.

- MIDDLE: Indicates the messages should be sent in middle priority.

- LOW: Indicates the messages should be sent in low priority.

\* \* \* Next Change \* \* \* \*

A.4 MSGG\_L3GDelivery API

openapi: 3.0.0

info:

title: MSGG\_L3GDelivery

version: 1.1.0-alpha.1

description: |

API for MSGG L3G Message Delivery Service.

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externalDocs:

description: >

3GPP TS 29.538 V18.1.0; Enabling MSGin5G Service; Application Programming Interfaces (API)

specification; Stage 3

url: https://www.3gpp.org/ftp/Specs/archive/29\_series/29.538/

servers:

- url: '{apiRoot}/msgg-l3gdelivery/v1'

variables:

apiRoot:

default: https://example.com

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

security:

- {}

- oAuth2ClientCredentials: []

paths:

/deliver-message:

post:

summary: deliver message to Legacy 3GPP Message Gateway

tags:

- L3G Message delivery

requestBody:

required: true

content:

application/json:

schema:

$ref: '#/components/schemas/L3gMessageDelivery'

responses:

'204':

description: No Content, Message delivery successful

'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'

/deliver-report:

post:

summary: deliver status report to Legacy 3GPP Message Gateway

tags:

- L3G status report delivery

requestBody:

required: true

content:

application/json:

schema:

$ref: 'TS29538\_MSGS\_MSGDelivery.yaml#/components/schemas/DeliveryStatusReport'

responses:

'204':

description: No Content, status report delivery successfully

'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: '{tokenUrl}'

scopes: {}

schemas:

#

# STRUCTURED DATA TYPES

#

L3gMessageDelivery:

description: Contains the L3G message delivery data

type: object

required:

- oriAddr

- destAddr

- msgId

properties:

oriAddr:

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

destAddr:

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

appId:

type: string

msgId:

type: string

delivStReqInd:

type: boolean

payload:

type: string

segInd:

type: boolean

segParams:

$ref: 'TS29538\_MSGS\_MSGDelivery.yaml#/components/schemas/MessageSegmentParameters'

Address:

description: Contains the Message type data

type: object

required:

- addrType

- addr

properties:

addrType:

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

addr:

type: string

#

# SIMPLE DATA TYPES

#

#

# ENUMERATIONS

#

AddressType:

anyOf:

- type: string

enum:

- UE

- AS

- GROUP

- BC

- TOPIC

- type: string

description: >

This string provides forward-compatibility with future

extensions to the enumeration but is not used to encode

content defined in the present version of this API.

description: |

Represent the type of message request.

Possible values are:

- UE: The address type is UE.

- AS: The address type is AS.

- GROUP: The address type is GROUP.

- BC: The address type is BC.

- TOPIC: The address type is TOPIC.

\* \* \* Next Change \* \* \* \*

A.5 MSGG\_N3GDelivery API

openapi: 3.0.0

info:

title: MSGG\_N3GDelivery

version: 1.0.0

description: |

API for MSGG N3G Message Delivery Service.

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externalDocs:

description: >

3GPP TS 29.538 V17.1.0; Enabling MSGin5G Service; Application Programming Interfaces (API)

specification; Stage 3

url: https://www.3gpp.org/ftp/Specs/archive/29\_series/29.538/

servers:

- url: '{apiRoot}/msgg-n3gdelivery/v1'

variables:

apiRoot:

default: https://example.com

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

security:

- {}

- oAuth2ClientCredentials: []

paths:

/deliver-message:

post:

summary: deliver message to NON-3GPP Message Gateway

tags:

- N3G Message delivery

requestBody:

required: true

content:

application/json:

schema:

$ref: '#/components/schemas/N3gMessageDelivery'

responses:

'204':

description: No Content,Message delivery successful

'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'

/deliver-report:

post:

summary: deliver status report to NON-3GPP Message Gateway

tags:

- N3G status report delivery

requestBody:

required: true

content:

application/json:

schema:

$ref: 'TS29538\_MSGS\_MSGDelivery.yaml#/components/schemas/DeliveryStatusReport'

responses:

'204':

description: No Content, status report delivery successfully

'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: '{tokenUrl}'

scopes: {}

schemas:

#

# STRUCTURED DATA TYPES

#

N3gMessageDelivery:

description: N3G message delivery data

type: object

required:

- oriAddr

- destAddr

- msgId

properties:

oriAddr:

$ref: 'TS29538\_MSGG\_L3GDelivery.yaml#/components/schemas/Address'

destAddr:

$ref: 'TS29538\_MSGG\_L3GDelivery.yaml#/components/schemas/Address'

appId:

type: string

msgId:

type: string

delivStReqInd:

type: boolean

payload:

type: string

segInd:

type: boolean

segParams:

$ref: 'TS29538\_MSGS\_MSGDelivery.yaml#/components/schemas/MessageSegmentParameters'

\* \* \* Next Change \* \* \* \*

A.6 MSGG\_BGDelivery API

openapi: 3.0.0

info:

title: MSGG\_BGDelivery

version: 1.0.0-alpha.1

description: |

API for Broadcast Message Delivery Service.

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externalDocs:

description: >

3GPP TS 29.538 V18.2.0; Enabling MSGin5G Service; Application Programming Interfaces (API)

specification; Stage 3

url: https://www.3gpp.org/ftp/Specs/archive/29\_series/29.538/

servers:

- url: '{apiRoot}/msgg-bgdelivery/v1'

variables:

apiRoot:

default: https://example.com

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

security:

- {}

- oAuth2ClientCredentials: []

paths:

/deliver-message:

post:

summary: deliver message to Broadcast Message Gateway

tags:

- Broadcast Message delivery

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'204':

description: No Content, Message delivery successful

'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: '{tokenUrl}'

scopes: {}

schemas:

#

# STRUCTURED DATA TYPES

#

BgMessageDelivery:

description: Broadcast message delivery data

type: object

required:

- oriAddr

- destAddr

- msgId

- payload

properties:

oriAddr:

$ref: 'TS29538\_MSGG\_L3GDelivery.yaml#/components/schemas/Address'

destAddr:

$ref: 'TS29538\_MSGG\_L3GDelivery.yaml#/components/schemas/Address'

appId:

type: string

msgId:

type: string

delivStReqInd:

type: boolean

payload:

type: string

\* \* \* End of Change \* \* \* \*