**3GPP TSG-CT3 Meeting #142 *C3-253xxx***

**Stor-Göteborg, Sweden, 25th Aug 2025 - 29th Aug 2025 (revision of *C3-253198*)**

**Source: Nokia, Samsung**

**Title: Pseudo-CR on OpenAPI annexes of Aimles\_SplitOpNodeRegistration API**

**Spec: 3GPP TS 29.482 v 1.0.0**

**Agenda item: 19.41**

**Document for: Agreement**

**1. Introduction**

There is a need to start a OpenAPI annexes of Aimles\_SplitOpNodeRegistration API under the AIML\_App WI.

**2. Reason for Change**

Define the OpenAPI annexes of Aimles\_SplitOpNodeRegistration API as defined in clause 8.14.2.4 in 3GPP TS 23.482.

**3. Conclusions**

This pCR proposes to specify the Annex of Aimles\_SplitOpNodeRegistration API.

**4. Proposal**

It is proposed to agree the following changes to 3GPP TS 29.482 V 1.0.0.

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

# A.X Aimles\_SplitOpNodeRegistration API

openapi: 3.0.0

info:

 title: Aimles\_SplitOpNodeRegistration

 description: |

 API for AIMLE Split Operation Node Register Configurations.

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 version: "1.0.0-alpha.2"

externalDocs:

 description: >

 3GPP TS 29.482 v1.0.0; Artificial Intelligence Machine Learning Enablement

 (AIMLE) Services; Stage 3.

 url: https://www.3gpp.org/ftp/Specs/archive/29\_series/29.549/

servers:

 - url: '{apiRoot}/aimles-sonreg/v1'

 variables:

 apiRoot:

 default: https://example.com

 description: apiRoot as defined in clause 5.2.4 of 3GPP TS 29.122

security:

 - {}

 - oAuth2ClientCredentials: []

paths:

 /configurations:

 post:

 summary: Request the creation of a Individual AIMLE Split Operation Node Register.

 operationId: CreateAimleSplitOpNodeRegSubscription

 tags:

 - AIMLE Split Operation Node Register Configurations (Collection)

 requestBody:

 required: true

 content:

 application/json:

 schema:

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

 responses:

 '201':

 description: >

 The registration of the new Individual AIMLE AIMLE Split Operation Node Register is confirmed

 and a representation of that resource is returned.

 content:

 application/json:

 schema:

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

 headers:

 Location:

 description: Contains the URI of the newly created resource.

 required: true

 schema:

 type: string

 '400':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/400'

 '401':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/401'

 '403':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/403'

 '404':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/404'

 '411':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/411'

 '413':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/413'

 '415':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/415'

 '429':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/429'

 '500':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/500'

 '503':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/503'

 default:

 $ref: 'TS29122\_CommonData.yaml#/components/responses/default'

 /configurations/{configurationId}:

 get:

 summary: Retrieve an existing Individual AIMLE Split Operation Node Register resource.

 operationId: GetIndAimleSplitOpNodeRegSubscription

 tags:

 - Individual AIMLE Split Operation Node Register Configuration (Document)

 parameters:

 - name: configurationId

 in: path

 description: Identifier of the configuration resource

 required: true

 schema:

 type: string

 responses:

 '200':

 description: >

 OK. The requested information on the Individual Resgietered AIMLE Split

 Operation Node Register is confirmed and a representation of that resource is returned.

 content:

 application/json:

 schema:

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

 '307':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/307'

 '308':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/308'

 '400':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/400'

 '401':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/401'

 '403':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/403'

 '404':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/404'

 '406':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/406'

 '429':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/429'

 '500':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/500'

 '503':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/503'

 default:

 $ref: 'TS29122\_CommonData.yaml#/components/responses/default'

 put:

 summary: Request the update of an existing Individual AIMLE Split Operation Node Register resource.

 operationId: UpdateIndAimleSplitOpNodeRegSubscription

 tags:

 - Individual AIMLE Split Operation Node Register Configuration (Document)

 parameters:

 - name: configurationId

 in: path

 description: Identifier of the configuration resource

 required: true

 schema:

 type: string

 requestBody:

 required: true

 content:

 application/json:

 schema:

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

 responses:

 '200':

 description: >

 OK. The requested update of the Individual Registered AIMLE Split Operation

 Node Register is confirmed and a representation of that resource is returned.

 content:

 application/json:

 schema:

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

 '204':

 description: >

 No Content. The Individual AIMLE Split Operation Node Register resource is

 successfully updated and no content is returned in the response body.

 '307':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/307'

 '308':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/308'

 '400':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/400'

 '401':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/401'

 '403':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/403'

 '404':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/404'

 '411':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/411'

 '413':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/413'

 '415':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/415'

 '429':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/429'

 '500':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/500'

 '503':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/503'

 default:

 $ref: 'TS29122\_CommonData.yaml#/components/responses/default'

 patch:

 summary: Request the modification of an existing Individual AIMLE Split Operation Node Register resource.

 operationId: ModifyIndAimleSplitOpNodeRegSubscription

 tags:

 - Individual AIMLE Split Operation Node Register Configuration (Document)

 parameters:

 - name: configurationId

 in: path

 description: Identifier of the configuration resource

 required: true

 schema:

 type: string

 requestBody:

 required: true

 content:

 application/merge-patch+json:

 schema:

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

 responses:

 '200':

 description: >

 OK. The requested modification of the Individual Registered AIMLE Split Operation Node

 Register is confirmed and a representation of that resource is returned.

 content:

 application/json:

 schema:

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

 '204':

 description: >

 No Content. The requested modification of the Individual Registered AIMLE Split

 Operation Node Register is confirmed and no content is returned.

 '307':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/307'

 '308':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/308'

 '400':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/400'

 '401':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/401'

 '403':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/403'

 '404':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/404'

 '411':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/411'

 '413':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/413'

 '415':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/415'

 '429':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/429'

 '500':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/500'

 '503':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/503'

 default:

 $ref: 'TS29122\_CommonData.yaml#/components/responses/default'

 delete:

 summary: Remove the Individual AIMLE Split Operation Node Register.

 operationId: UnsubscribeAimleSplitOpNodeRegSubscription

 tags:

 - Individual AIMLE Split Operation Node Register Configuration (Document).

 parameters:

 - name: configurationId

 in: path

 description: Identifier of the configuration resource

 required: true

 schema:

 type: string

 responses:

 '204':

 description: >

 Deregistration of the Individual Registered AIMLE Split Operation Node Register is

 confirmed.

 '307':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/307'

 '308':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/308'

 '400':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/400'

 '401':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/401'

 '403':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/403'

 '404':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/404'

 '429':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/429'

 '500':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/500'

 '503':

 $ref: 'TS29122\_CommonData.yaml#/components/responses/503'

 default:

 $ref: 'TS29122\_CommonData.yaml#/components/responses/default'

components:

 securitySchemes:

 oAuth2ClientCredentials:

 type: oauth2

 flows:

 clientCredentials:

 tokenUrl: '{tokenUrl}'

 scopes: {}

 schemas:

 SplitOpNodeReg:

 description: Represents the Split Operation Node Register information.

 type: object

 properties:

 nodeInfo:

 $ref: 'TS29548\_SDD\_Transmission.yaml#/components/schemas/ConnInfo'

 sonRegCapability:

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

 timeValidity:

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

 required:

 - nodeInfo

 SplitOpNodeRegPatch:

 description: Represents the split operation node register information to be modified.

 type: object

 properties:

 sonregCapability:

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

 timeValidity:

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

 SplitOpCapabilities:

 description: Represents the split operation capabilities.

 type: object

 properties:

 modelInfo:

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

 usageInfo:

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

 required:

 - modelInfo

 ModelInformation:

 description: Represents the ML model information.

 type: object

 properties:

 modelId:

 type: string

 modelName:

 type: string

 modelVersion:

 type: string

 suppOperation:

 type: array

 items:

 type: string

 minItems: 1

 required:

 - modelId

 - modelVersion

 - suppOperation

 UsageInformation:

 description: Represents the data analysis requirement.

 type: object

 properties:

 inputFreq:

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

 inputSize:

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

 outputFreq:

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

 outputSize:

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

# SIMPLE DATA TYPES

#

#

# ENUMERATIONS

#

\* \* \* Next Changes \* \* \*

# B.X Aimles\_SplitOpNodeRegistration API

The API versions listed in table B.X-1 are withdrawn for the AIMLES\_AssistedMLModelSelection API.

Table B.X-1: Withdrawn API versions of the Aimles\_SplitOpNodeRegistration service

|  |  |
| --- | --- |
| API version number | Remarks |
|  |  |

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