CommonData

OpenAPI

OpenAPI Version: 3.0.0

Info

Title: TS 29.122 Common Data Types
Version: "1.0.0"

Paths

{}

Components

```
schemas:
  SponsorInformation:
    Type: object
    Properties:
      sponsorId:
        Type: string
        Description: It indicates Sponsor ID.
      aspId:
        Type: string
```

      Description: It indicates Application Service Provider ID.
    Required:
      - sponsorId
      - aspId
UsageThreshold:
  Type: object
  Properties:
    duration:
      Reference: '#/components/schemas/DurationSec'
    totalVolume:
      Reference: '#/components/schemas/Volume'
    downlinkVolume:
      Reference: '#/components/schemas/Volume'
    uplinkVolume:
      Reference: '#/components/schemas/Volume'
UsageThresholdRm:
  Type: object
  Properties:
    duration:
      Reference: '#/components/schemas/DurationSecRm'
    totalVolume:
      Reference: '#/components/schemas/VolumeRm'
    downlinkVolume:
      Reference: '#/components/schemas/VolumeRm'
    uplinkVolume:
      Reference: '#/components/schemas/VolumeRm'
  nullable: true
TimeWindow:
  Type: object
  Properties:
    startTime:
      Reference: '#/components/schemas/DateTime'
    stopTime:
      Reference: '#/components/schemas/DateTime'
  Required:
    - startTime
    - stopTime
Acknowledgement:
  Type: object
  Properties:
    details:
      Type: string
      Description: A human-readable explanation specific to this successful
acknowledgement
  Required:
    - details
NotificationData:
  Type: object
  Properties:
    transaction:
      Reference: '#/components/schemas/Link'
    eventReports:
      Type: array

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        Items:
          Reference: '#/components/schemas/EventReport'
        minItems: 1
        Description: Contains the reported event and applicable information
    Required:
      - transaction
      - eventReports
  EventReport:
    Type: object
    Properties:
      event:
        Reference: '#/components/schemas/Event'
      accumulatedUsage:
        Reference: '#/components/schemas/AccumulatedUsage'
      flowIds:
        Type: array
        Items:
          Type: integer
        minItems: 1
        Description: Identifies the IP flows that were sent during event subscription
    Required:
      - event
  AccumulatedUsage:
    Type: object
    Properties:
      duration:
        Reference: '#/components/schemas/DurationSec'
      totalVolume:
        Reference: '#/components/schemas/Volume'
      downlinkVolume:
        Reference: '#/components/schemas/Volume'
      uplinkVolume:
        Reference: '#/components/schemas/Volume'
  FlowInfo:
    Type: object
    Properties:
      flowId:
        Type: integer
        Description: Indicates the IP flow.
      flowDescriptions:
        Type: array
        Items:
          Type: string
        Description: Indicates the packet filters of the IP flow. Refer to subclause
5.3.8 of 3GPP TS 29.214 for encoding. It shall contain UL and/or DL IP flow description.
        minItems: 1
        maxItems: 2
    Required:
      - flowId
  TestNotification:
    Type: object
    Properties:
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                    subscription:
                      Reference: '#/components/schemas/Link'
                  Required:
                    - subscription
             WebsockNotifConfig:
               Type: object
               Properties:
                  websocketUri:
                    Reference: '#/components/schemas/Link'
                  requestWebsocketUri:
                    Type: boolean
                    Description: Set by the SCS/AS to indicate that the Websocket delivery is
        requested.
             LocationArea:
               Type: object
               Properties:
                  cellIds:
                    Type: array
                    Items:
                      Type: string
                    minItems: 1
                    Description: Indicates a list of Cell Global Identities of the user which
        identifies the cell the UE is registered.
                  enodeBIds:
                    Type: array
                    Items:
                      Type: string
                    minItems: 1
                    Description: Indicates a list of eNodeB identities in which the UE is currently
         located.
                  routingAreaIds:
                    Type: array
                    Items:
                      Type: string
                    minItems: 1
                    Description: Identifies a list of Routing Area Identities of the user where the
        UE is located.
                  trackingAreaIds:
                    Type: array
                    Items:
                      Type: string
                    minItems: 1
                     Description: Identifies a list of Tracking Area Identities of the user where the
        UE is located.
                  geographicAreas:
                    Type: array
                    Items:
                      Reference: 'TS29572_Nlmf_Location.yaml#/components/schemas/GeographicArea'
                    minItems: 1
                    Description: Identifies a list of geographic area of the user where the UE is
        located.
                  civicAddresses:
                    Type: array
```

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          Items:
            Reference: 'TS29572_Nlmf_Location.yaml#/components/schemas/CivicAddress'
          minItems: 1
          Description: Identifies a list of civic addresses of the user where the UE is
located.
  LocationArea5G:
    Type: object
    Properties:
      geographicAreas:
        Type: array
        Items:
          Reference: 'TS29572_Nlmf_Location.yaml#/components/schemas/GeographicArea'
        minItems: 0
        Description: Identifies a list of geographic area of the user where the UE is
located.
      civicAddresses:
        Type: array
        Items:
          Reference: 'TS29572_Nlmf_Location.yaml#/components/schemas/CivicAddress'
        minItems: 0
        Description: Identifies a list of civic addresses of the user where the UE is
located.
      nwAreaInfo:
       Reference: 'TS29554_Npcf_BDTPolicyControl.yaml#/components/schemas/NetworkAreaInfo'

  ProblemDetails:
    Type: object
    Properties:
      Type:
        Reference: '#/components/schemas/Uri'
      title:
        Type: string
        Description: A short, human-readable summary of the problem type. It should not
 change from occurrence to occurrence of the problem.
      status:
        Type: integer
        Description: The HTTP status code for this occurrence of the problem.
      detail:
        Type: string
        Description: A human-readable explanation specific to this occurrence of the
problem.
      instance:
        Reference: '#/components/schemas/Uri'
      cause:
        Type: string
       Description: A machine-readable application error cause specific to this occurrence
 of the problem. This IE should be present and provide application-related error information,
 if available.
      invalidParams:
        Type: array
        Items:
          Reference: '#/components/schemas/InvalidParam'
        minItems: 1
```

Description: Description of invalid parameters, for a request rejected due to invalid parameters.
  InvalidParam:
   Type: object
   Properties:
    param:
      Type: string
      Description: Attribute's name encoded as a JSON Pointer, or header's name.
    reason:
      Type: string
      Description: A human-readable reason, e.g. "must be a positive integer".
   Required:
     - param
  PlmnId:
   Type: object
   Properties:
    mcc:
      Reference: '#/components/schemas/Mcc'
    mnc:
      Reference: '#/components/schemas/Mnc'
   Required:
     - mcc
     - mnc
  ConfigResult:
   Type: object
   Properties:
    externalIds:
      Type: array
      Items:
        Reference: '#/components/schemas/ExternalId'
      minItems: 1
      Description: Each element indicates an external identifier of the UE.
    msisdns:
      Type: array
      Items:
        Reference: '#/components/schemas/Msisdn'
      minItems: 1
      Description: Each element identifies the MS internal PSTN/ISDN number allocated for the UE.
     resultReason:
      Reference: '#/components/schemas/ResultReason'
   Required:
     - resultReason
   oneOf:
     - required: [externalIds]
     - required: [Msisdns]
  Bandwidth:
   Type: integer
   Minimum: 0
   Description: integer indicating a bandwidth in bits per second.
  BdtReferenceId:
   Type: string
   Description: string identifying a BDT Reference ID as defined in subclause 5.3.3 of

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3GPP TS 29.154.
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 Binary:
   Type: string
   Description: string with format "binary" as defined in OpenAPI Specification.
 Bytes:
   Type: string
   Description: String with format "byte" as defined in OpenAPI Specification, i.e,
base64-encoded characters.
 DayOfWeek:
   Type: integer
   Minimum: 1
   Maximum: 7
   Description: integer between and including 1 and 7 denoting a weekday. 1 shall indicate
 Monday, and the subsequent weekdays shall be indicated with the next higher numbers. 7
shall indicate Sunday.
 DateTime:
   Type: string
   Description: string with format "date-time" as defined in OpenAPI.
 DateTimeRm:
   Type: string
   Description: string with format "date-time" as defined in OpenAPI with "nullable=true"
 property.
   nullable: true
 DateTimeRo:
   Type: string
   Description: string with format "date-time" as defined in OpenAPI with "readOnly=true"
 property.
   readOnly: true
 DurationSec:
   Type: integer
   Minimum: 0
   Description: Unsigned integer identifying a period of time in units of seconds.
 DurationSecRm:
   Type: integer
   Minimum: 0
   Description: Unsigned integer identifying a period of time in units of seconds with
 "nullable=true" property.
   nullable: true
 DurationSecRo:
   Type: integer
   Minimum: 0
   Description: Unsigned integer identifying a period of time in units of seconds with
 "readOnly=true" property.
   readOnly: true
 DurationMin:
   Type: integer
   format: int32
   Minimum: 0
   Description: Unsigned integer identifying a period of time in units of minutes.
 ExternalId:
   Type: string
   Description: string containing a local identifier followed by "@" and a domain
 identifier. Both the local identifier and the domain identifier shall be encoded as strings

that do not contain any "@" characters. See Clause 4.6.2 of 3GPP TS 23.682 for more information.

ExternalGroupId:

Type: string

Description: string containing a local identifier followed by "@" and a domain identifier. Both the local identifier and the domain identifier shall be encoded as strings that do not contain any "@" characters. See Clauses 4.6.2 and 4.6.3 of 3GPP TS 23.682 for more information.

Ipv4Addr:

Type: string

Description: string identifying a Ipv4 address formatted in the "dotted decimal" notation as defined in IETF RFC 1166.

Ipv6Addr:

Type: string

Description: string identifying a Ipv6 address formatted according to clause 4 in IETF RFC 5952. The mixed Ipv4 Ipv6 notation according to clause 5 of IETF RFC 5952 shall not be used.

Ipv4AddrRo:

Type: string

Description: string identifying a Ipv4 address formatted in the "dotted decimal" notation as defined in IETF RFC 1166, with "readOnly=true" property.

readOnly: true

Ipv6AddrRo:

Type: string

Description: string identifying a Ipv6 address formatted according to clause 4 in IETF RFC 5952, with "readOnly=true" property. The mixed Ipv4 Ipv6 notation according to clause 5 of IETF RFC 5952 shall not be used.

readOnly: true

Link:

Type: string

Description: string formatted according to IETF RFC 3986 identifying a referenced resource.

Mcc:

Type: string

Description: String encoding a Mobile Country Code part of the PLMN, comprising 3 digits, as defined in 3GPP TS 38.413.

Mnc:

Type: string

Description: String encoding a Mobile Network Code part of the PLMN, comprising 2 or 3 digits, as defined in 3GPP TS 38.413.

Msisdn:

Type: string

Description: string formatted according to subclause 3.3 of 3GPP TS 23.003 that describes an MSISDN.

Port:

Type: integer

Description: Unsigned integer with valid values between 0 and 65535.

Minimum: 0

Maximum: 65535

PortRo:

Type: integer

Description: Unsigned integer with valid values between 0 and 65535, with "readOnly=true" property.

Minimum: 0

Maximum: 65535

    readOnly: true

  ResourceId:

    Type: string

    Description: string chosen by the SCEF to serve as identifier in a resource URI.

  ScsAsId:

    Type: string

    Description: string that identifies an SCS/AS.

  TimeOfDay:

    Type: string

    Description: String with format partial-time or full-time as defined in subclause 5.6 of IETF RFC 3339. Examples, 20:15:00, 20:15:00-08:00 (for 8 hours behind UTC).

  Uri:

    Type: string

    Description: string providing an URI formatted according to IETF RFC 3986.

  Volume:

    Type: integer

    format: int64

    Minimum: 0

    Description: Unsigned integer identifying a volume in units of bytes.

  VolumeRm:

    Type: integer

    format: int64

    Minimum: 0

    Description: Unsigned integer identifying a volume in units of bytes with "nullable=true" property.

    nullable: true

  Event:

    anyOf:

   - type: string

     enum:

       - SESSION_TERMINATION

       - LOSS_OF_BEARER

       - RECOVERY_OF_BEARER

       - RELEASE_OF_BEARER

       - USAGE_REPORT

   - 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:

     Possible values are

     - SESSION_TERMINATION: Indicates that Rx session is terminated.

     - LOSS_OF_BEARER : Indicates a loss of a bearer.

     - RECOVERY_OF_BEARER: Indicates a recovery of a bearer.

     - RELEASE_OF_BEARER: Indicates a release of a bearer.

     - USAGE_REPORT: Indicates the usage report event.

  ResultReason:

    anyOf:

   - type: string

     enum:

       - ROAMING_NOT_ALLOWED

       - OTHER_REASON

   - type: string

     Description:

      This string provides a failure reason.

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    Description:
        Possible values are
        - ROAMING_NOT_ALLOWED: Identifies the configuration parameters are not allowed by
roaming agreement.
        - OTHER_REASON: Identifies the configuration parameters are not configured due to
other reason.
# HTTP responses
responses:
  '400':
    Description: Bad request
    content:
        application/problem+json:
          schema:
            Reference: '#/components/schemas/ProblemDetails'
  '401':
    Description: Unauthorized
    content:
        application/problem+json:
          schema:
            Reference: '#/components/schemas/ProblemDetails'
  '403':
    Description: Forbidden
    content:
        application/problem+json:
          schema:
            Reference: '#/components/schemas/ProblemDetails'
  '404':
    Description: Not Found
    content:
        application/problem+json:
          schema:
            Reference: '#/components/schemas/ProblemDetails'
  '406':
    Description: Not Acceptable
    content:
        application/problem+json:
          schema:
            Reference: '#/components/schemas/ProblemDetails'
  '409':
    Description: Conflict
    content:
        application/problem+json:
          schema:
            Reference: '#/components/schemas/ProblemDetails'
  '411':
    Description: Length Required
    content:
        application/problem+json:
          schema:
            Reference: '#/components/schemas/ProblemDetails'
  '412':
    Description: Precondition Failed
    content:
        application/problem+json:
```

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      schema:
        Reference: '#/components/schemas/ProblemDetails'
'413':
  Description: Payload Too Large
  content:
    application/problem+json:
      schema:
        Reference: '#/components/schemas/ProblemDetails'
'414':
  Description: URI Too Long
  content:
    application/problem+json:
      schema:
        Reference: '#/components/schemas/ProblemDetails'
'415':
  Description: Unsupported Media Type
  content:
    application/problem+json:
      schema:
        Reference: '#/components/schemas/ProblemDetails'
'429':
  Description: Too Many Requests
  content:
    application/problem+json:
      schema:
        Reference: '#/components/schemas/ProblemDetails'
'500':
  Description: Internal Server Error
  content:
    application/problem+json:
      schema:
        Reference: '#/components/schemas/ProblemDetails'
'503':
  Description: Service Unavailable
  content:
    application/problem+json:
      schema:
        Reference: '#/components/schemas/ProblemDetails'
Default:
  Description: Generic Error
```