**3GPP TSG CT WG3 Meeting #134 *C3-242183r1***

**Changsha, China, 15-19 April 2024**

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| --- |
| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **29.508** | **CR** | **0264** | **rev** | **1** | **Current version:** | **18.5.0** |  |
|  |
| *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 |  | Core Network | **X** |

|  |
| --- |
|  |
| ***Title:***  | Missing applicable feature |
|  |  |
| ***Source to WG:*** | ZTE |
| ***Source to TSG:*** | CT3 |
|  |  |
| ***Work item code:*** | eNetAE |  | ***Date:*** | 2024-04-08 |
|  |  |  |  |  |
| ***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 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-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19)* |
|  |  |
| ***Reason for change:*** | In Table 5.6.1-2, RatType data type is missing the applicable feature EneNA. |
|  |  |
| ***Summary of change:*** | Applicable feature EneNA is added to Table 5.6.1-2 for RatType data type. |
|  | on |
| ***Consequences if not approved:*** | Incomplete specification. |
|  |  |
| ***Clauses affected:*** | 5.6.1 |
|  |  |
|  | **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:*** | This CR does not have any impact in the OpenAPI specification. |
|  |  |
| ***This CR's revision history:*** |  |

**Additional discussion(if needed):**

**Proposed changes:**

\*\*\* 1st Change \*\*\*

### 5.6.1 General

This clause specifies the application data model supported by the API.

Table 5.6.1-1 specifies the data types defined for the Nsmf\_EventExposure service based interface protocol.

Table 5.6.1-1: Nsmf\_EventExposure specific Data Types

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Section defined | Description | Applicability |
| AckOfNotify | 5.6.2.7 | Acknowledgement information of event notification |  |
| AppliedSmccType | 5.6.3.6 | The type of applied SM congestion control. | SMCCE |
| EventNotification | 5.6.2.5 | Describes notifications about a single event that occurred. |  |
| EventSubscription | 5.6.2.4 | Represents the subscription to a single event |  |
| NotificationMethod | 5.6.3.4 | Represents the notification methods that can be subscribed |  |
| NsmfEventExposure | 5.6.2.2 | Represents an Individual SMF Notification Subscription resource |  |
| NsmfEventExposureNotification | 5.6.2.3 | Describes Notifications about events that occurred. |  |
| PduSessionInfo | 5.6.2.12 | Represents session information. | UeCommunication |
| PduSessionInformation | 5.6.2.11 | Represents the PDU session related information. | UeCommunication |
| PduSessionStatus | 5.6.3.8 | Status of the PDU Session. | UeCommunication |
| SmfEvent | 5.6.3.3 | Represents the types of events that can be subscribed |  |
| SubId | 5.6.3.2 | Identifies an Individual SMF Notification Subscription. |  |
| SmNasFromSmf | 5.6.2.9 | Describes the information of the SM NAS messages from SMF with backoff timer | SMCCE |
| SmNasFromUe | 5.6.2.8 | Describes the information of the SM NAS requests from UE | SMCCE |
| TrafficCorrelationNotification | 5.6.2.14 | Represents the traffic correlation Information for Notification. | CommonEASDNAI |
| TransactionInfo | 5.6.2.10 | UE Session Management transaction information. | Dispersion |
| TransactionMetric | 5.6.3.7 | Metric on UE Session Management transactions. | Dispersion |
| UpfInformation | 5.6.2.13 | The information of the UPF serving the UE. | ServiceExperienceDnPerformance |

Table 5.6.1-2 specifies data types re-used by the Nsmf\_EventExposure service based interface protocol from other specifications, including a reference to their respective specifications and when needed, a short description of their use within the Nsmf\_EventExposure service based interface.

Table 5.6.1-2: Nsmf\_EventExposure re-used Data Types

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Reference | Comments | Applicability |
| 5Qi | 3GPP TS 29.571 [11] | The 5G QoS Identifier. | EnQfiAllocation |
| AccessType | 3GPP TS 29.571 [11] |  |  |
| AfResultInfo | 3GPP TS 29.522 [20] | Represents application handling information. |  |
| ApplicationId | 3GPP TS 29.571 [11] | The application identifier. | QfiAllocationPduSessionInfo |
| BitRate | 3GPP TS 29.571 [11] | Represents the bit rate. | EnQoSMon |
| CommunicationFailure | 3GPP TS 29.518 [13] | Represents the communication failure information. | CommunicationFailure |
| DateTime | 3GPP TS 29.571 [11] |  |  |
| DlDataDeliveryStatus | 3GPP TS 29.571 [11] | Status of downlink data delivery | DownlinkDataDeliveryStatus |
| DddTrafficDescriptor | 3GPP TS 29.571 [11] | Traffic descriptor of source of downlink data  | DownlinkDataDeliveryStatus  |
| Dnai | 3GPP TS 29.571 [11] |  |  |
| DnaiChangeType | 3GPP TS 29.571 [11] | Describes the types of DNAI change. |  |
| Dnn | 3GPP TS 29.571 [11] |  | QfiAllocation, PduSessionStatus |
| DurationSec | 3GPP TS 29.571 [11] |  |  |
| EthFlowDescription | 3GPP TS 29.514 [22] | Ethernet flow description | QfiAllocation |
| FlowDescription | 3GPP TS 29.514 [22] | IP flow description | QfiAllocation |
| Fqdn | 3GPP TS 29.571 [11] | FQDN |  |
| Gpsi | 3GPP TS 29.571 [11] |  |  |
| GroupId | 3GPP TS 29.571 [11] |  |  |
| Guami | 3GPP TS 29.571 [11] | Globally Unique AMF Identifier |  |
| IpAddr | 3GPP TS 29.571 [11] | UE IP address. | DispersionCommonEASDNAI |
| Ipv4Addr | 3GPP TS 29.571 [11] |  |  |
| Ipv6Addr | 3GPP TS 29.571 [11] |  |  |
| Ipv6Prefix | 3GPP TS 29.571 [11] |  |  |
| MacAddr48 | 3GPP TS 29.571 [11] | MAC Address. |  |
| MutingExceptionInstructions | 3GPP TS 29.571 [11] | Contains instructions to be executed upon the occurrence of an event muting exception (e.g. full buffer). | EnhDataMgmt |
| MutingNotificationsSettings | 3GPP TS 29.571 [11] | Contains setting related to the muting of notifications. | EnhDataMgmt |
| NetworkAreaInfo | 3GPP TS 29.554 [27] | Identifies the network area. | AreaFilterUPEAS |
| NfInstanceId | 3GPP TS 29.571 [11] | Instance identity of the Network Function | UPEASCommonEASDNAI |
| NotificationFlag | 3GPP TS 29.571 [11] | Notification flag. | EneNA |
| PartitioningCriteria | 3GPP TS 29.571 [11] | Used to partition UEs before applying sampling. | EneNA |
| PduSessionId | 3GPP TS 29.571 [11] |  |  |
| PduSessionType | 3GPP TS 29.571 [11] | PDU session type. | PduSessionStatusPduSessionInfo |
| PlmnIdNid | 3GPP TS 29.571 [11] | Identification of a network: the PLMN Identifier or the SNPN Identifier (the PLMN Identifier and the NID). |  |
| ProblemDetails | 3GPP TS 29.571 [11] |  |  |
| Qfi | 3GPP TS 29.571 [11] | QoS flow identifier. | QfiAllocation |
| RatType | 3GPP TS 29.571 [11] | RAT type. | EneNA |
| RedirectResponse | 3GPP TS 29.571 [11] | Contains redirection related information. | ES3XX |
| RouteToLocation | 3GPP TS 29.571 [11] | A traffic route to/from an DNAI |  |
| SamplingRatio | 3GPP TS 29.571 [11] | Sampling Ratio. |  |
| SatelliteBackhaulCategory | 3GPP TS 29.571 [11] | Indicates the satellite backhaul category or non-satellite backhaul. | EnSatBackhaulCategoryChg |
| ServiceName | 3GPP TS 29.510 [12] | Name of the service instance. |  |
| Snssai | 3GPP TS 29.571 [11] | S-NSSAI | QfiAllocation |
| SscMode | 3GPP TS 29.571 [11] | SSC Mode selected for the PDU Session. | PduSessionInfo |
| Supi | 3GPP TS 29.571 [11] |  |  |
| SupportedFeatures | 3GPP TS 29.571 [11] | Used to negotiate the applicability of the optional features defined in table 5.8-1. |  |
| TimeWindow | 3GPP TS 29.122 [24] | A start time and a stop time of a time window. | SMCCE |
| Uinteger | 3GPP TS 29.571 [11] |  |  |
| UpfEvent | 3GPP TS 29.564 [26] | Contains UPF event information. | UPEAS |
| Uri | 3GPP TS 29.571 [11] |  |  |

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