**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)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***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 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:*** | | 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. | | ServiceExperience  DnPerformance | |

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. | | QfiAllocation  PduSessionInfo | |
| 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. | | Dispersion  CommonEASDNAI | |
| 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. | | AreaFilter  UPEAS | | |
| NfInstanceId | | 3GPP TS 29.571 [11] | | Instance identity of the Network Function | | UPEAS  CommonEASDNAI | |
| 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. | | PduSessionStatus  PduSessionInfo | |
| 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 \*\*\*