**3GPP TSG-CT WG3 Meeting #136 *C3-244510***

**Maastricht, NL, 19 - 23 August, 2024 (Revision of C3-244259)**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.122** | **CR** | **0867** | **rev** | **1** | **Current version:** | **18.6.0** |  |
|  | | | | | | | | |
| *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** |

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|  | | | | | | | | | | |
| ***Title:*** | Corrections to re-used data types in MonitoringEvent API | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NBI19 | | | | |  | ***Date:*** | | | 2024-07-26 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-19 |
|  | *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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19) Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The Angle, NetworkAreaInfo and Uncertainty data types are not re-used in the MonitoringEvent API, hence needs to be removed in the MonitoringEvent API re-used Data Types table.  The MonitoringEvent API re-used Data Types table still missing the feature applicability. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Remove the Angle, NetworkAreaInfo and Uncertainty data types in MonitoringEvent API re-used Data Types table, also adding the feature applicability aligned with the corresponding data model in this API. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Wrongly included Angle, NetworkAreaInfo and Uncertainty data types in the MonitoringEvent API re-used Data Types table which are not reused in this API, also not clear on the feature applicability condition in the re-used data type table. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.3.2.1.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 impact the OpenAPI file. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

**Additional discussion(if needed):**

**Proposed changes:**

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

##### 5.3.2.1.1 Introduction

This clause defines data structures to be used in resource representations, including subscription resources.

Table 5.3.2.1.1-1 specifies data types re-used by the MonitoringEvent API from other specifications, including a reference to their respective specifications and when needed, a short description of their use within the MonitoringEvent API.

Table 5.3.2.1.1-1: MonitoringEvent API re-used Data Types

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Reference | Comments | Applicability |
| 2DRelativeLocation | 3GPP TS 29.572 [42] | Represents 2D local co-ordinates with origin corresponding to another known point. | Ranging\_SL |
| 3DRelativeLocation | 3GPP TS 29.572 [42] | Represents 3D local co-ordinates with origin corresponding to another known point. | Ranging\_SL |
| AccuracyFulfilmentIndicator | 3GPP TS 29.572 [42] | The indication whether the obtained location estimate satisfies the requested QoS or not. | eLCS |
| AgeOfLocationEstimate | 3GPP TS 29.572 [42] | Age of the location estimate for change of location type or motion type of Location deferred report. | eLCS |
| ApplicationlayerId | 3GPP TS 29.571 [45] | Represents the Application Layer ID. | Ranging\_SL |
| CivicAddress | 3GPP TS 29.572 [42] | Civic address. | eLCS |
| CodeWord | 3GPP TS 29.515 [65] | Code word. | eLCS |
| DddTrafficDescriptor | 3GPP TS 29.571 [45] | Traffic Descriptor of source of downlink data. | Downlink\_data\_delivery\_status\_5G  Availability\_after\_DDN\_failure\_notification\_enhancement |
| DlDataDelDlDataDeliveryStatus | 3GPP TS 29.571 [45] | Traffic Descriptor of source of downlink data notifications. | Downlink\_data\_delivery\_status\_5G |
| Dnn | 3GPP TS 29.571 [45] | Identifies a DNN. | Session\_Management\_Enhancement  UEId\_retrieval  AppDetection\_5G |
| Fqdn | 3GPP TS 29.571 [45] | Identifies a FQDN. |  |
| GeographicArea | 3GPP TS 29.572 [42] | Identifies the geographical information of the user(s). |  |
| Gpsi | 3GPP TS 29.571 [45] | Represents a GPSI. | GMEC |
| IpAddr | 3GPP TS 29.571 [45] | UE IP Address. | enNB  UEId\_retrieval |
| LdrType | 3GPP TS 29.572 [42] | Location deferred requested event type. | eLCS |
| LinearDistance | 3GPP TS 29.572 [42] | This IE shall be present and set to true if a location estimate is required for motion event report. | eLCS |
| LocationQoS | 3GPP TS 29.572 [42] | Requested location QoS. | eLCS  MULTIQOS |
| MacAddr48 | 3GPP TS 29.571 [45] | MAC Address. | enNB  UEId\_retrieval |
| MinorLocationQoS | 3GPP TS 29.572 [42] | Minor Location QoS. | MULTIQOS |
| VelocityRequested | 3GPP TS 29.572 [42] | Velocity of the target UE requested. | eLCS |
| PatchItem | 3GPP TS 29.571 [45] | Contains the list of changes to be made to a resource according to the JSON PATCH format specified in IETF RFC 6902 [67]. |  |
| PduSessionInformation | 3GPP TS 29.523 [70] | Represents PDU session identification information. | AppDetection\_5G |
| PositioningMethod | 3GPP TS 29.572 [42] | Identifies the positioning method used to obtain the location estimate of the UE. | eLCS |
| RangeDirection | 3GPP TS 29.572 [42] | Represents the range and direction between two points. | Ranging\_SL |
| RangingSlResult | 3GPP TS 29.572 [42] | Represents the requested result type for ranging and sidelink positioning | Ranging\_SL |
| RelatedUE | 3GPP TS 29.572 [42] | Represents information on the related UE for ranging and sidelink positioning | Ranging\_SL |
| SACEventStatus | 3GPP TS 29.571 [45] | Contains the network slice status information related to network slice admission control. | NSAC |
| SACInfo | 3GPP TS 29.571 [45] | Represents network slice admission control information to control the triggering of notifications or convey network slice status information. | NSAC |
| Snssai | 3GPP TS 29.571 [45] | Contains a S-NSSAI. | NSAC  Session\_Management\_Enhancement  UEId\_retrieval  AppDetection\_5G |
| SupportedFeatures | 3GPP TS 29.571 [45] | Used to negotiate the applicability of the optional features defined in table 5.3.4-1. |  |
| ServiceIdentiy | 3GPP TS 29.515 [65] | Service identity. | eLCS |
| SupportedGADShapes | 3GPP TS 29.572 [42] | Supported Geographical Area Description shapes. | eLCS |
| UcPurpose | 3GPP TS 29.503 [63] | Represents the purpose of a user consent. | DataTransfer |
| Uinteger | 3GPP TS 29.571 [45] | Represents an unsigned Integer. |  |
| Uri | 5.2.1.3.2 | Represents a URI. | UserConsentRevocation |
| UserLocation | 3GPP TS 29.571 [6] | Represents a user location. | enNB1 |
| VelocityEstimate | 3GPP TS 29.572 [42] | UE velocity, if requested and available. | eLCS  Ranging\_SL |

Table 5.3.2.1.1-2 specifies the data types defined for the MonitoringEvent API.

Table 5.3.2.1.1-2: MonitoringEvent API specific Data Types

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Clause defined | Description | Applicability |
| Accuracy | 5.3.2.4.7 | Represents a desired granularity of accuracy for the requested location information. | Location\_notification,  eLCS, EDGEAPP |
| ApiCapabilityInfo | 5.3.2.3.9 | Represents the availability information of supported API. | API\_support\_capability\_notification |
| AppliedParameterConfiguration | 5.3.2.3.8 | Represents the parameter configuration applied in the network. | Enhanced\_param\_config |
| AssociationType | 5.3.2.4.6 | Represents an IMEI or IMEISV to IMSI association. | Change\_of\_IMSI\_IMEI\_association\_notification |
| ConsentRevocNotif | 5.3.2.3.12 | Represents the user consent revocation information conveyed in a user consent revocation notification. | UserConsentRevocation |
| ConsentRevoked | 5.3.2.3.13 | Represents the information related to revoked user consent(s). | UserConsentRevocation |
| FailureCause | 5.3.2.3.6 | Represents the reason of communication failure. | Communication\_failure\_notification |
| GroupMembListChanges | 5.3.2.3.13 | Represents information on the change(s) to a group's members list. | GMEC |
| IdleStatusInfo | 5.3.2.3.3 | Represents the information relevant to when the UE transitions into idle mode. | Ue-reachability\_notification,  Availability\_after\_DDN\_failure\_notification |
| InterfaceIndication | 5.3.2.4.10 | Represents the network entity used for data delivery towards the SCS/AS. | Pdn\_connectivity\_status |
| LocationFailureCause | 5.3.2.4.11 | Represents the cause of location/positioning failure. | eLCS |
| LocationInfo | 5.3.2.3.5 | Represents the user location information. | Location\_notification, eLCS |
| LocationType | 5.3.2.4.5 | Represents a location type. | Location\_notification, Number\_of\_UEs\_in\_an\_area\_notification, Number\_of\_UEs\_in\_an\_area\_notification\_5G,  eLCS |
| MonitoringEventReport | 5.3.2.3.2 | Represents an event monitoring report. |  |
| MonitoringEventReports | 5.3.2.3.10 | Represents one or multiple event monitoring report(s). | enNB |
| MonitoringEventSubscription | 5.3.2.1.2 | Represents a subscription to event(s) monitoring. |  |
| MonitoringNotification | 5.3.2.2.2 | Represents an event monitoring notification. |  |
| MonitoringType | 5.3.2.4.3 | Represents a monitoring event type. |  |
| PdnConnectionInformation | 5.3.2.3.7 | Represents the PDN connection information of the UE. | Pdn\_connectivity\_status |
| PdnConnectionStatus | 5.3.2.4.8 | Represents the PDN connection status. | Pdn\_connectivity\_status |
| PdnType | 5.3.2.4.9 | Represents a PDN connection type. |  |
| ReachabilityType | 5.3.2.4.4 | Represents a reachability type. | Ue-reachability\_notification |
| SACRepFormat | 5.3.2.4.13 | Represents the NSAC reporting format. | NSAC |
| SubType | 5.3.2.4.12 | Represents a subscription type. | UAV |
| UavPolicy | 5.3.2.3.11 | Represents the policy information included in the UAV presence monitoring request. | UAV |
| UePerLocationReport | 5.3.2.3.4 | Represents the number of UEs found at the indicated location. | Number\_of\_UEs\_in\_an\_area\_notification, Number\_of\_UEs\_in\_an\_area\_notification\_5G |
| UpCumEvtRep | 5.3.2.3.18 | Represents the cumulative event report for events reported via user plane. | eLCS\_en |
| UpLocRepAddrAfRm | 5.3.2.3.17 | Represents the user plane addressing information. | eLCS\_en |

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