**3GPP TSG-CT WG4 Meeting #98eC4-203105v1**

**E-Meeting, 02nd – 12th June 2020**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.503** | **CR** | **0429** | **rev** | **-** | **Current version:** | **16.3.0** |  |
|  | | | | | | | | |
| *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** |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Correct Data Type Names | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | ZTE | | | | | | | | | |
| ***Source to TSG:*** | CT4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5GS\_Ph1-CT, TEI16 | | | | |  | ***Date:*** | | | 2020-05-22 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **A** |  | | | | | ***Release:*** | | | Rel-16 |
|  | *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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Errors exist in data type references in clause 6.1.6.1:  - Ipv4Address/Ipv6Address are stated as defined in TS29.571, while TS29.571 only defines Ipv4Addr/Ipv6Addr;  - Ipv6Prefix is duplicately listed. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Correct the data type references. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Errors remains in specification. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.1.6.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 introduce any change to the OpenAPI file TS29503\_Nudm\_SDM. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

*BEGIN OF CHANGE*

#### 6.1.6.1 General

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

Table 6.1.6.1-1 specifies the structured data types defined for the Nudm\_SDM service API. For simple data types defined for the Nudm\_SDM service API see table 6.1.6.3.2-1.

Table 6.1.6.1-1: Nudm\_SDM specific Data Types

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Data type | | Clause defined | | Description | |
| Nssai | | 6.1.6.2.2 | | Network Slice Selection Assistance Information | |
| SdmSubscription | | 6.1.6.2.3 | | A subscription to notifications | |
| AccessAndMobilitySubscriptionData | | 6.1.6.2.4 | | Access and Mobility Subscription Data | |
| SmfSelectionSubscriptionData | | 6.1.6.2.5 | | SMF Selection Subscription Data | |
| UeContextInSmfData | | 6.1.6.2.16 | | UE Context In SMF Data | |
| PduSession | | 6.1.6.2.17 | |  | |
| DnnInfo | | 6.1.6.2.6 | | Data Network Name and associated information (LBO roaming allowed flag) | |
| SnssaiInfo | | 6.1.6.2.7 | | S-NSSAI and associated information (DNN Info) | |
| SessionManagementSubscriptionData | | 6.1.6.2.8 | | User subscribed session management data | |
| DnnConfiguration | | 6.1.6.2.9 | | User subscribed data network configuration | |
| PduSessionTypes | | 6.1.6.2.11 | | Default/allowed session types for a data network | |
| SscModes | | 6.1.6.2.12 | | Default/allowed SSC modes for a data network | |
| SmsSubscriptionData | | 6.1.6.2.13 | |  | |
| SmsManagementSubscriptionData | | 6.1.6.2.14 | | SMS Management Subscription Data | |
| SubscriptionDataSets | | 6.1.6.2.15 | |  | |
| IdTranslationResult | | 6.1.6.2.18 | | SUPI that corresponds to a given GPSI | |
| IpAddress | | 6.1.6.2.22 | | IP address (IPv4, or IPv6, or IPv6 prefix) | |
| 3GppChargingCharacteristics | | 6.1.6.3.2 | | 3GPP Charging Characteristics | |
| IwkEpsInd | | 6.1.6.3.2 | | Interworking with EPS Indication | |
| ModificationNotification | | 6.1.6.2.21 | |  | |
| UeContextInSmsfData | | 6.1.6.2.23 | |  | |
| SmsfInfo | | 6.1.6.2.24 | |  | |
| AcknowledgeInfo | | 6.1.6.2.25 | |  | |
| SorInfo | | 6.1.6.2.26 | | Steering Of Roaming Information | |
| UpuInfo | | 6.1.6.2.33 | | UE Parameters Update Information | |
| SharedData | | 6.1.6.2.27 | | Subscription Data shared by multiple UEs | |
| PgwInfo | | 6.1.6.2.28 | | Information about the DNNs/APNs and PGW-C+SMF FQDNs used in interworking with EPS | |
| TraceDataResponse | | 6.1.6.2.29 | | Contains Trace Data or a shared data Id identifying shared Trace Data | |
| SteeringContainer | | 6.1.6.2.30 | |  | |
| SdmSubsModification | | 6.1.6.2.31 | | Modification instruction for a subscription to notifications | |
| EmergencyInfo | | 6.1.6.2.32 | | Information about emergency session | |
| EpsIwkPgw | | 6.2.6.2.11 | | Information of the PGW-C+SMF selected by the AMF for EPS interworking with N26 interface. | |
| GroupIdentifiers | | 6.1.6.2.34 | |  | |
| ExtGroupId | | 6.1.6.3.2 | |  | |
| NiddInformation | | 6.1.6.2.35 | | Non-IP Data Delivery information | |
| CagData | | 6.1.6.2.36 | |  | |
| CagInfo | | 6.1.6.2.37 | |  | |
| DataSetName | | 6.1.6.3.3 | |  | |
| PduSessionContinuityInd | | 6.1.6.3.7 | |  | |
| AdditionalSnssaiData | | 6.1.6.2.38 | | Additional information specific to a slice | |
| VnGroupData | | 6.1.6.2.39 | |  | |
| AppDescriptor | | 6.1.6.2.40 | |  | |
| AppPortId | | 6.1.6.2.41 | | Application Port Id | |
| LcsPrivacyData | | 6.1.6.2.42 | |  | |
| Lpi | | 6.1.6.2.43 | |  | |
| UnrelatedClass | | 6.1.6.2.44 | |  | |
| PlmnOperatorClass | | 6.1.6.2.45 | |  | |
| ValidTimePeriod | | 6.1.6.2.46 | |  | |
| LcsMoData | | 6.1.6.2.47 | |  | |
| EcRestrictionData | | 6.1.6.2.48 | | Enhance Coverage Restriction Data | |
| ExpectedUeBehaviourData | | 6.1.6.2.49 | | Expected UE Behaviour Data | |
| MaximumResponseTime | | 6.1.6.2.50 | | Maximum Response Time | |
| MaximumLatency | | 6.1.6.2.51 | | Maximum Latency | |
| SuggestedPacketNumDl | | 6.1.6.2.52 | | Suggested Number of Downlink Packets | |
| FrameRouteInfo | | 6.1.6.2.54 | | Frame Route Information | |
| EnhancedCoverageRestrictionData | | 6.1.6.2.56 | | Enhanced Coverage Restriction Data | |
| EdrxParameters | | 6.1.6.2.57 | | eDRX Parameters | |
| PtwParameters | | 6.1.6.2.58 | | Paging Time Window Parameters | |
| OperationMode | | 6.1.6.3.12 | | Operation Mode | |
| SorUpdateIndicator | | 6.1.6.3.13 | | SoR Update Indicator | |
| NonExternalUnrelatedClass | | 6.1.6.2.59 | |  | |
| LcsClientNonExternal | | 6.1.6.2.60 | |  | |
| AfNonExternal | | 6.1.6.2.61 | |  | |
| ExternalUnrelatedClass | | 6.1.6.2.62 | |  | |
| AfExternal | | 6.1.6.2.63 | |  | |
| LcsClientExternal | | 6.1.6.2.64 | |  | |
| LcsClientGroupExternal | | 6.1.6.2.65 | |  | |
| ServiceTypeUnrelatedClass | | 6.1.6.2.66 | |  | |
| codeWordInd | | 6.1.6.3.14 | |  | |

Table 6.1.6.1-2 specifies data types re-used by the Nudm\_SDM service API from other specifications, including a reference to their respective specifications and when needed, a short description of their use within the Nudm\_SDM service API.

Table 6.1.6.1-2: Nudm\_SDM re-used Data Types

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Data type | | Reference | | Comments | |
| Dnn | | 3GPP TS 29.571 [7] | | Data Network Name with Network Identifier only; this type is used as key in a map of:  - DnnConfigurations; see clause 6.1.6.2.8;  - EpsIwkPgws; see clause 6.2.6.2.2;  - ExpectedUeBehaviourData; see clause 6.1.6.2.8; | |
| DurationSec | | 3GPP TS 29.571 [7] | | Time value in seconds | |
| ProblemDetails | | 3GPP TS 29.571 [7] | | Common data type used in response bodies | |
| Snssai | | 3GPP TS 29.571 [7] | | Single NSSAI | |
| Uri | | 3GPP TS 29.571 [7] | | Uniform Resource Identifier | |
| Gpsi | | 3GPP TS 29.571 [7] | | Generic Public Subscription Identifier | |
| RatType | | 3GPP TS 29.571 [7] | | Radio Access Technology Type | |
| Area | | 3GPP TS 29.571 [7] | |  | |
| ServiceAreaRestriction | | 3GPP TS 29.571 [7] | |  | |
| CoreNetworkType | | 3GPP TS 29.571 [7] | |  | |
| SupportedFeatures | | 3GPP TS 29.571 [7] | | see 3GPP TS 29.500 [4] clause 6.6 | |
| PlmnId | | 3GPP TS 29.571 [7] | | PLMN Identity | |
| PduSessionType | | 3GPP TS 29.571 [7] | |  | |
| SubscribedDefaultQos | | 3GPP TS 29.571 [7] | | Subscribed Default QoS | |
| Ambr | | 3GPP TS 29.571 [7] | |  | |
| PduSessionId | | 3GPP TS 29.571 [7] | | PduSessionId is used as key in a map of PduSessions; see clause 6.1.6.2.16. | |
| NfInstanceId | | 3GPP TS 29.571 [7] | |  | |
| Supi | | 3GPP TS 29.571 [7] | |  | |
| RfspIndex | | 3GPP TS 29.571 [7] | |  | |
| SscMode | | 3GPP TS 29.571 [7] | |  | |
| Ipv4Addr | | 3GPP TS 29.571 [7] | |  | |
| Ipv6Addr | | 3GPP TS 29.571 [7] | |  | |
| Ipv6Prefix | | 3GPP TS 29.571 [7] | |  | |
| SorMac | | 3GPP TS 29.509 [24] | |  | |
| SteeringInfo | | 3GPP TS 29.509 [24] | |  | |
| AckInd | | 3GPP TS 29.509 [24] | |  | |
| CounterSor | | 3GPP TS 29.509 [24] | |  | |
| UpuMac | | 3GPP TS 29.509 [24] | |  | |
| UpuData | | 3GPP TS 29.509 [24] | |  | |
| UpuAckInd | | 3GPP TS 29.509 [24] | |  | |
| CounterUpu | | 3GPP TS 29.509 [24] | |  | |
| TraceData | | 3GPP TS 29.571 [7] | | Trace control and configuration parameters | |
| NotifyItem | | 3GPP TS 29.571 [7] | |  | |
| UpSecurity | | 3GPP TS 29.571 [7] | |  | |
| ServiceName | | 3GPP TS 29.510 [19] | |  | |
| OdbPacketServices | | 3GPP TS 29.571 [7] | |  | |
| GroupId | | 3GPP TS 29.571 [7] | | This type is also used as key of a map in attributes:  - vnGroupInfo and sharedVnGroupDataIds; see clause 6.1.6.2.4, 6.1.6.2.8, 6.1.6.2.27; | |
| DateTime | | 3GPP TS 29.571 [7] | |  | |
| CagId | | 3GPP TS 29.571 [7] | |  | |
| StnSr | | 3GPP TS 29.571 [7] | | Session Transfer Number for SRVCC | |
| CMsisdn | | 3GPP TS 29.571 [7] | | Correlation MSISDN | |
| OsId | | 3GPP TS 29.519 [33] | |  | |
| Uint16 | | 3GPP TS 29.571 [7] | |  | |
| RgWirelineCharacteristics | | 3GPP TS 29.571 [7] | |  | |
| Tmbr | | 3GPP TS 29.571 [7] | |  | |
| GeographicArea | | 3GPP TS 29.572 [34] | |  | |
| LcsServiceType | | 3GPP TS 29.572 [34] | |  | |
| ScheduledCommunicationTime | | 6.5.6.2.9 | |  | |
| LocationArea | | 6.5.6.2.10 | |  | |
| StationaryIndication | | 6.5.6.3.3 | |  | |
| TrafficProfile | | 6.5.6.3.4 | |  | |
| ScheduledCommunicationType | | 6.5.6.3.5 | |  | |
| BatteryIndication | | 6.5.6.2.14 | |  | |
| ScheduledCommunicationTime | | 6.5.6.2.9 | |  | |
| LocationArea | | 6.5.6.2.10 | |  | |
| StationaryIndication | | 6.5.6.3.3 | |  | |
| TrafficProfile | | 6.5.6.3.4 | |  | |
| ScheduledCommunicationType | | 6.5.6.3.5 | |  | |
| BatteryIndication | | 6.5.6.3.14 | |  | |
| AcsInfo | | 3GPP TS 29.571 [7] | | ACS Information | |
| IPv4AddrMask | | 3GPP TS 29.571 [7] | |  | |
| NefId | | 3GPP TS 29.510 [19] | |  | |
| PatchResult | | 3GPP TS 29.571 [7] | |  | |
| NrV2xAuth | | 3GPP TS 29.571 [7] | |  | |
| LteV2xAuth | | 3GPP TS 29.571 [7] | |  | |
| BitRate | | 3GPP TS 29.571 [7] | |  | |

*END OF CHANGE*