3GPP TSG SA WG5 Meeting 135-e S5-211275

electronic meeting, online, 25 January - 3 February 2021

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **32.291** | **CR** | **0309** | **rev** | **1** | **Current version:** | **16.6.1** |  |
|  |
| *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:***  | Correcting binding for iPv6dynamicPrefixFlag |
|  |  |
| ***Source to WG:*** | S5 |
| ***Source to TSG:*** | Ericsson LM |
|  |  |
| ***Work item code:*** | TEI16 |  | ***Date:*** | 2021-01-15 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***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 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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
|  |  |
| ***Reason for change:*** | The binding for IPv6 Dynamic Prefix Flag is faulty. |
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| ***Summary of change:*** | Change the naming form IPv6 Dynamic Address Flag to IPv6 Dynamic Prefix Flag. |
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| ***Consequences if not approved:*** | The binding is unclear and could lead to misunderstanding of the usage. |
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| ***Clauses affected:*** | 7.2 |
|  |  |
|  | **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's revision history:*** |  |

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| **First change** |

## 7.2 Bindings for 5G data connectivity

Table 7.2-1: Bindings of 5G data connectivity CDR field, Information Element and Resource Attribute

| Information Element | CDR Field | Resource Attribute |
| --- | --- | --- |
|  |  | **ChargingDataRequest** |
| Supported Features | - | **/**supportedFeatures |
| Multiple Unit Usage |  List of Multiple Unit Usage | /multipleUnitUsage |
| UPF ID | UPF ID | /multipleUnitUsage/uPFID |
| multi-homed PDU address | Multi-homed PDU address | /multipleUnitUsage/multihomedPDUAddress |
| Used Unit Container | Used Unit Container  | /multipleUnitUsage/usedUnitContainer |
| PDU Container Information | PDU Container Information | /multipleUnitUsage/usedUnitContainer/pDUContainerInformation |
| Time of First Usage | Time of First Usage | /multipleUnitUsage/usedUnitContainer/pDUContainerInformation/timeofFirstUsage |
| Time of Last Usage | Time of Last Usage | /multipleUnitUsage/usedUnitContainer/pDUContainerInformation/timeofLastUsage |
| QoS Information | QoS Information | /multipleUnitUsage/usedUnitContainer/pDUContainerInformation/qoSInformation |
| QoS Characteristics | QoS Characteristics | /multipleUnitUsage/usedUnitContainer/pDUContainerInformation/qoSCharacteristics |
| AF Charging Identifier | AF Charging Identifier | /multipleUnitUsage/usedUnitContainer/pDUContainerInformation/afChargingIdentifier |
| AF Charging Id String | AF Charging Id String | /multipleUnitUsage/usedUnitContainer/pDUContainerInformation/afChargingIdString |
| User Location Information | User Location Information | /multipleUnitUsage/usedUnitContainer/pDUContainerInformation/userLocationInformation |
| UE Time Zone | UE Time Zone | /multipleUnitUsage/usedUnitContainer/pDUContainerInformation/uetimeZone |
| RAT Type | RAT Type | /multipleUnitUsage/usedUnitContainer/pDUContainerInformation/rATType |
| Serving Network Function ID | Serving Network Function ID | /multipleUnitUsage/usedUnitContainer/pDUContainerInformation/servingNodeID |
| Presence Reporting Area Information | Presence Reporting AreaInformation | /multipleUnitUsage/usedUnitContainer/pDUContainerInformation/ presenceReportingAreaInformation |
| 3GPP PS Data Off Status | 3GPP PS Data Off Status | /multipleUnitUsage/usedUnitContainer/pDUContainerInformation/3gppPSDataOffStatus |
| Sponsor Identity | Sponsor Identity | /multipleUnitUsage/usedUnitContainer/pDUContainerInformation/sponsorIdentity |
| Application Service ProviderIdentity | Application Service ProviderIdentity | /multipleUnitUsage/usedUnitContainer/pDUContainerInformation/applicationserviceProviderIdentity |
| Charging Rule Base Name | Charging Rule Base Name | /multipleUnitUsage/usedUnitContainer/pDUContainerInformation/chargingRuleBaseName |
| PDU Session Charging Information | PDU Session Charging Information | /pDUSessionChargingInformation  |
| Charging Id | Charging Id | /pDUSessionChargingInformation/chargingId |
| Home Provided ChargingId | Home Provided ChargingId | /pDUSessionChargingInformation/ homeProvidedChargingId |
| User Information | User Information | /pDUSessionChargingInformation/ userInformation |
| User Identifier | User Identifier | /pDUSessionChargingInformation/userInformation/servedGPSI |
| User Equipment Info | User Equipment Info | /pDUSessionChargingInformation/userInformation/ servedPEI |
| Unauthenticated Flag | Unauthenticated Flag | /pDUSessionChargingInformation/userInformation/ unauthenticatedFlag |
| Roamer In Out | Roamer In Out | /pDUSessionChargingInformation/userInformation/ roamerInOut |
| User Location Info | User Location Info | /pDUSessionChargingInformation/ userLocationinfo |
| UE Time Zone | UE Time Zone | /pDUSessionChargingInformation/uEtimeZone |
| Presence Reporting AreaInformation | Presence Reporting AreaInformation | /pDUSessionChargingInformation/ presenceReportingAreaInformation |
| PDU Session Information | PDU Session Information | /pDUSessionChargingInformation/pduSessionInformation |
| PDU Session ID | PDU Session ID | /pDUSessionChargingInformation/pduSessionInformation/pduSessionID |
| Network Slice InstanceIdentifier | Network Slice Instance Identifier | /pDUSessionChargingInformation/pduSessionInformation/networkSlicingInfo |
| PDU Type | PDU Type | /pDUSessionChargingInformation /pduSessionInformation/pduType |
| PDU Address | PDU Address | /pDUSessionChargingInformation /pduSessionInformation/pduAddress |
| PDU IPv4 Address | PDU IPv4 Address | /pDUSessionChargingInformation/pduSessionInformation/pduAddress/pduIPv4Address |
| PDU IPv6 Address withprefix | PDU IPv6 Address with prefix | /pDUSessionChargingInformation/pduSessionInformation/pduAddress/pduIPv6Addresswithprefix |
| PDU Address prefix length | PDU Address prefix length | /pDUSessionChargingInformation /pduSessionInformation/pduAddress/pduAddressprefixlength |
| IPv4 Dynamic AddressFlag | IPv4 Dynamic Address Flag | /pDUSessionChargingInformation /pduSessionInformation/pduAddress/ iPv4dynamicAddressFlag |
| IPv6 Dynamic Address Flag | IPv6 Dynamic Prefix Flag | pDUSessionChargingInformation /pduSessionInformation/pduAddress/ iPv6dynamicPrefixFlag |
| SSC Mode | SSC Mode | /pDUSessionChargingInformation /pduSessionInformation/sscMode |
| SUPI PLMN ID | SUPI PLMN ID | /pDUSessionChargingInformation /pduSessionInformation/hPlmnId |
| Serving Network Function ID | Serving Network Function ID | /pDUSessionChargingInformation /pduSessionInformation/ servingNetworkFunctionID |
| Serving CN PLMN ID | Serving CN PLMN ID | /pDUSessionChargingInformation/pduSessionInformation/servingCNPlmnId |
| RAT Type | RAT Type | /pDUSessionChargingInformation /pduSessionInformation/ratType |
| Data Network Name Identifier | Data Network Name Identifier | /pDUSessionChargingInformation /pduSessionInformation/dnnid |
| DNN Selection Mode | DNN Selection Mode | /pDUSessionChargingInformation /pduSessionInformation/dNNselectionMode |
| Authorized QoS information | Authorized Qos Information | /pDUSessionChargingInformation /pduSessionInformation/authorized qoSInformation |
| Subscribed QoS Information | Subscribed QoS Information | /pDUSessionChargingInformation /pduSessionInformation/subscribedQoSInformation |
| Authorized Session-AMBR | Authorized Session-AMBR | /pDUSessionChargingInformation /pduSessionInformation/authorizedSessionAMBR |
| Subscribed Session-AMBR | Subscribed Session-AMBR | /pDUSessionChargingInformation /pduSessionInformation/subscribedSessionAMBR |
| Charging Characteristics | Charging Characteristics | /pDUSessionChargingInformation /pduSessionInformation/ chargingCharacteristics |
| Charging CharacteristicsSelection Mode | Charging Characteristics Selection Mode | /pDUSessionChargingInformation /pduSessionInformation/chargingCharacteristicsSelectionMode |
| PDU session start Time | PDU session start Time | /pDUSessionChargingInformation /pduSessionInformation/startTime |
| PDU session stop Time | PDU session stop Time | /pDUSessionChargingInformation /pduSessionInformation/stopTime |
| Diagnostics | Diagnostics | /pDUSessionChargingInformation /pduSessionInformation/diagnostics |
| Enhanced Diagnostics | Enhanced Diagnostics | /pDUSessionChargingInformation /pduSessionInformation/enhancedDiagnostics |
| 3GPP PS Data Off Status | 3GPP PS Data Off Status | /pDUSessionChargingInformation /pduSessionInformation/3gppPSDataOffStatus |
| Session Stop Indicator | Session Stop Indicator | /pDUSessionChargingInformation /pduSessionInformation/sessionStopIndicator  |
| Unit Count Inactivity Timer | - | /pDUSessionChargingInformation/unitCountInactivityTimer |
| RAN Secondary RAT Usage Report | RAN Secondary RAT Usage Report | /pDUSessionChargingInformation/rANSecondaryRATUsageReport |
| NG RAN Secondary RAT Type | NG RAN Secondary RAT Type | /pDUSessionChargingInformation/rANSecondaryRATUsageReport/rANSecondaryRATType |
| Qos Flows Usage Reports | Qos Flows Usage Reports | /pDUSessionChargingInformation/rANSecondaryRATUsageReport/qosFlowsUsageReports |
| Roaming QBC information | Roaming QBC information | /roamingQBCInformation |
| Multiple QFI container | Multiple QFI container | /roamingQBCInformation/multipleQFIcontainer |
| Triggers | Triggers | /roamingQBCInformation/multipleQFIcontainer/triggers |
| Trigger Timestamp | Trigger Timestamp | /roamingQBCInformation/multipleQFIcontainer/triggerTimestamp |
| Time | Time | /roamingQBCInformation/multipleQFIcontainer/time |
| Total Volume | Total Volume | /roamingQBCInformation/multipleQFIcontainer/totalVolume |
| Uplink Volume | Uplink Volume | /roamingQBCInformation/multipleQFIcontainer/uplinkVolume |
| Downlink Volume | Downlink Volume | /roamingQBCInformation/multipleQFIcontainer/downlinkVolume |
| Local Sequence Number | Local Sequence Number | /roamingQBCInformation/multipleQFIcontainer/localSequenceNumber |
| QFI Container information | QFI Container information | /roamingQBCInformation/multipleQFIcontainer/qFIContainerInformation |
| QoS Flow Id | QoS Flow Id | /roamingQBCInformation/multipleQFIcontainer/ qFIContainerInformation/qFI |
| Time of First Usage | Time of First Usage | /roamingQBCInformation/multipleQFIcontainer/qFIContainerInformation/ timeofFirstUsage |
| Time of Last Usage | Time of Last Usage | /roamingQBCInformation/multipleQFIcontainer/qFIContainerInformation/timeofLastUsage |
| QoS Information | QoS Information | /roamingQBCInformation/multipleQFIcontainer/qFIContainerInformation/qoSInformation |
| QoS Characteristics | QoS Characteristics | /roamingQBCInformation/multipleQFIcontainer/ qFIContainerInformation/qoSCharacteristics |
| User Location Information | User Location Information | /roamingQBCInformation/multipleQFIcontainer/qFIContainerInformation/ userLocationInformation |
| UE Time Zone | UE Time Zone | /roamingQBCInformation/multipleQFIcontainer/qFIContainerInformation/uetimeZone |
| Presence Reporting Area Information | Presence Reporting Area Information | /roamingQBCInformation/multipleQFIcontainer/qFIContainerInformation/presenceReportingAreaInformation |
| RAT Type | RAT Type | /roamingQBCInformation/multipleQFIcontainer/qFIContainerInformation/rATType |
| Report Time | Report Time | /roamingQBCInformation/multipleQFIcontainer/ qFIContainerInformation/reportTime |
| Serving Network Function ID  | Serving Network Function ID  | /roamingQBCInformation/multipleQFIcontainer/qFIContainerInformation/ servingNetworkFunctionID |
| 3GPP PS Data Off Status | 3GPP PS Data Off Status | /roamingQBCInformation/multipleQFIcontainer/qFIContainerInformation/3gppPSDataOffStatus |
| EPS bearer Charging Id | EPS bearer Charging Id | /roamingQBCInformation/multipleQFIcontainer/qFIContainerInformation/3gppChargingId |
| Diagnostics | Diagnostics | /roamingQBCInformation/multipleQFIcontainer/qFIContainerInformation/diagnostics |
| Enhanced Diagnostics | Enhanced Diagnostics | /roamingQBCInformation/multipleQFIcontainer/qFIContainerInformation/enhancedDiagnostics |
| UPF ID | UPF ID | /roamingQBCInformation/uPFID |
| Roaming Charging Profile | Roaming Charging Profile | /roamingQBCInformation/roamingChargingProfile |
| Trigger  | Trigger  | /roamingQBCInformationroamingChargingProfile/trigger |
| Partial record method | Partial record method | /roamingQBCInformation/roamingChargingProfile/partialRecordMethod |
|  |  | **ChargingDataResponse** |
| Supported Features | - | **/**supportedFeatures |
| Multiple Unit information | - | /multipleUnitInformation |
| UPF ID | - | /multipleUnitInformation/uPFID |
| PDU Session Charging Information | - | /pDUSessionChargingInformation  |
| Presence Reporting AreaInformation | - | /pDUSessionChargingInformation/ presenceReportingAreaInformation |
| Unit Count Inactivity Timer | - | /pDUSessionChargingInformation/unitCountInactivityTimer |
| Roaming QBC information | - | /roamingQBCInformation |
| Roaming Charging Profile | - | /roamingQBCInformation/roamingChargingProfile |

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| **End of changes** |