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 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-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. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Change the naming form IPv6 Dynamic Address Flag to IPv6 Dynamic Prefix Flag. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The binding is unclear and could lead to misunderstanding of the usage. | | | | | | | | |
|  | |  | | | | | | | | |
| ***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 Area  Information | | /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 Provider  Identity | | Application Service Provider  Identity | | /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 Area  Information | | Presence Reporting Area  Information | | /pDUSessionChargingInformation/ presenceReportingAreaInformation | |
| PDU Session Information | | PDU Session Information | | /pDUSessionChargingInformation/pduSessionInformation | |
| PDU Session ID | | PDU Session ID | | /pDUSessionChargingInformation/pduSessionInformation/pduSessionID | |
| Network Slice Instance  Identifier | | 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 with  prefix | | PDU IPv6 Address with prefix | | /pDUSessionChargingInformation/pduSessionInformation/pduAddress/pduIPv6Addresswithprefix | |
| PDU Address prefix length | | PDU Address prefix length | | /pDUSessionChargingInformation /pduSessionInformation/pduAddress/pduAddressprefixlength | |
| IPv4 Dynamic Address  Flag | | 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 Characteristics  Selection 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 Area  Information | | - | | /pDUSessionChargingInformation/ presenceReportingAreaInformation | |
| Unit Count Inactivity Timer | | - | | /pDUSessionChargingInformation/unitCountInactivityTimer | |
| Roaming QBC information | | - | | /roamingQBCInformation | |
| Roaming Charging Profile | | - | | /roamingQBCInformation/roamingChargingProfile | |

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| **End of changes** |