**3GPP TSG-SA5 Meeting #143-e *S5-223682***

e-meeting, 9 - 17 May 2022

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **32.291** | **CR** | **0392** | **rev** | **1** | **Current version:** | **17.2.0** |  |
|  |
| *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:***  | Missing IMS binding |
|  |  |
| ***Source to WG:*** | Ericsson LM |
| ***Source to TSG:*** | S5 |
|  |  |
| ***Work item code:*** | 5GSIMSCH |  | ***Date:*** | 2022-04-20 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***Release:*** | Rel-17 |
|  | *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)* |
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| ***Reason for change:*** | The binding for the IMS charging information to yaml and ASN.1 is missing |
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| ***Summary of change:*** | Adding the binding for the IMS charging information. |
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| ***Consequences if not approved:*** | There might be misunderstanding on the binding of the charging information that might lead to interoperability issues. |
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| ***Clauses affected:*** | 6.1.1.2 |
|  |  |
|  | **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 ... |
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| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** | First revision: S5-223100. |

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| **First change** |

## 7.x Bindings for IMS charging

Table 7.x-1: Bindings of CDR field, Information Element and Resource Attribute for IMS charging

| Information Element | CDR Field | Resource Attribute |
| --- | --- | --- |
|  |  | **ChargingDataRequest** |
| IMS Charging Information | IMS Charging Information | /iMSChargingInformation |
| Event Type | Event Type | /iMSChargingInformation/eventType |
| IMS Node Functionality | IMS Node Functionality | /iMSChargingInformation/iMSNodeFunctionality |
| Role of Node | Role of Node | /iMSChargingInformation/roleOfNode |
| User Information | - | /iMSChargingInformation/userInformation |
| User Identifier | User Identifier | /iMSChargingInformation/userInformation/servedGPSI |
| User Equipment Info  | User Equipment Info  | /iMSChargingInformation/userInformation/servedPEI |
| User Location Info | User Location Info | /iMSChargingInformation/userLocationInfo |
| UE Time Zone | UE Time Zone | /iMSChargingInformation/ueTimeZone |
| 3GPP PS Data Off Status  | 3GPP PS Data Off Status  | /iMSChargingInformation/3gppPSDataOffStatus |
| ISUP Cause | ISUP Cause | /iMSChargingInformation/isupCause |
| Serving Node Address | Control Plane Address | /iMSChargingInformation/controlPlaneAddress |
| VLR Number | VLR Number | /iMSChargingInformation/vlrNumber |
| MSC Address | MSC Address | /iMSChargingInformation/mscAddress |
| User Session ID | User Session ID | /iMSChargingInformation/userSessionID |
| Outgoing Session ID | Outgoing Session ID | /iMSChargingInformation/outgoingSessionID |
| Session Priority | Session Priority | /iMSChargingInformation/sessionPriority |
| Calling Party Addresses | Calling Party Addresses | /iMSChargingInformation/callingPartyAddresses |
| Called Party Address | Called Party Address | /iMSChargingInformation/calledPartyAddress |
| Number Portability Routing Information | Number Portability Routing | /iMSChargingInformation/numberPortabilityRoutinginformation |
| Carrier Select Routing Information | Carrier Select routing information | /iMSChargingInformation/carrierSelectRoutingInformation |
| Alternate Charged Party Address | Alternate Charged Party Address | /iMSChargingInformation/alternateChargedPartyAddress |
| Requested Party Address  | Requested Party Addresses | /iMSChargingInformation/requestedPartyAddress  |
| Called Asserted Identities | Called Asserted Identities | /iMSChargingInformation/calledAssertedIdentities |
| Called Identity Change | Called Identity Changes | /iMSChargingInformation/calledIdentityChange/calledIdentityChanges |
| Called Identity | Called Identity | /iMSChargingInformation/calledIdentityChange/changeTime |
| Called Identity Change Time Stamp | Change Time | /iMSChargingInformation/calledIdentityChange |
| Associated URI | Associated URI | /iMSChargingInformation/associatedURI |
| Time Stamps | Time Stamps | /iMSChargingInformation/timeStamps |
| Application Server Information | Application Server Information | /iMSChargingInformation/applicationServerInformation |
| Inter Operator Identifier | Inter Operator Identifier | /iMSChargingInformation/interOperatorIdentifier |
| IMS Charging Identifier | IMS Charging Identifier | /iMSChargingInformation/imsChargingIdentifier |
| Related IMS Charging Identifier | Related ICIDr | /iMSChargingInformation/relatedICID |
| Related IMS Charging Identifier Generation Node | Related ICID Generation Node | /iMSChargingInformation/relatedICIDGenerationNode |
| Transit IOI List | Transit IOI List | /iMSChargingInformation/transitIOIList |
| Early Media Description | Early Media Description | /iMSChargingInformation/earlyMediaDescription |
| SDP Session Description | SDP Session Description | /iMSChargingInformation/sdpSessionDescription |
| SDP Media Component | SDP Media Component | /iMSChargingInformation/sdpMediaComponent |
| Served Party IP Address | Served Party IP Address | /iMSChargingInformation/servedPartyIPAddress |
| Server Capabilities | Server Capabilities | /iMSChargingInformation/serverCapabilities |
| Trunk Group ID | Trunk Group ID | /iMSChargingInformation/trunkGroupID |
| Bearer Service | Bearer Service | /iMSChargingInformation/bearerService |
| Service Id | Service Id | /iMSChargingInformation/imsServiceId |
| Message Bodies | Message Bodies | /iMSChargingInformation/messageBodies |
| Access Network Information | Access Network Information | /iMSChargingInformation/accessNetworkInformation |
| Additional Access Network Information | Additional Access Network Information | /iMSChargingInformation/additionalAccessNetworkInformation |
| Cellular Network Information | Cellular Network Information | /iMSChargingInformation/cellularNetworkInformation |
| Access Transfer Information | Access Transfer Information | /iMSChargingInformation/accessTransferInformation |
| Access Network Info Change | Access Network Info Change | /iMSChargingInformation/accessNetworkInfoChange |
| IMS Communication Service ID | IMS Communication Service ID | /iMSChargingInformation/imsCommunicationServiceID |
| IMS Application Reference ID | IMS Application Reference ID | /iMSChargingInformation/imsApplicationReferenceID |
| Cause Code | Cause Code | /iMSChargingInformation/causeCode |
| Reason Header | Reason Header | /iMSChargingInformation/reasonHeader |
| Initial IMS Charging Identifier | Initial IMS Charging Identifier | /iMSChargingInformation/initialIMSChargingIdentifier |
| NNI Information | NNI Information | /iMSChargingInformation/nniInformation |
| From Address | From Address | /iMSChargingInformation/fromAddress |
| IMS Emergency Indication | IMS Emergency Indication | /iMSChargingInformation/imsEmergencyIndication |
| IMS Visited Network Identifier | IMS Visited Network Identifier | /iMSChargingInformation/imsVisitedNetworkIdentifier |
| SIP Route Header Received  | SIP Route Header Received  | /iMSChargingInformation/sipRouteHeaderReceived  |
| SIP Route Header Transmitted | SIP Route Header Transmitted  | /iMSChargingInformation/sipRouteHeaderTransmitted  |
| TAD Identifier | TAD Identifier | /iMSChargingInformation/tadIdentifier |
| FE Identifier List | FE Identifier List | /iMSChargingInformation/feIdentifierList |
|  |  | **ChargingDataResponse** |
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| **End of changes** |