**3GPP TSG-SA5 Meeting #142-e *S5-222365rev2***

**e-meeting, 4 - 12 April 2022**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** | **0077** | **rev** |  | **Current version:** |  |  |
|  | | | | | | | | |
| *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:*** |  | | | | | | | | | |
| ***、*** |  | | | | | | | | | |
| ***Source to WG:*** | China Mobile Com. Corporation | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI15 | | | | |  | ***Date:*** | | | 2022-03-25 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-15 |
|  | *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)* | |
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| ***Reason for change:*** | | The descriptions of many IEs within SMS Charging information refer to Table 6.3.1.2.1. However, not all of them are listed in Table 6.3.1.2.1. Their descriptions are missing. | | | | | | | | |
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| ***Summary of change:*** | | Add missing descriptions for SMS Charging information. | | | | | | | | |
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| ***Consequences if not approved:*** | | Incorrect implementations for SMS Charging will cause inter-operator errors. | | | | | | | | |
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| ***Clauses affected:*** | | 6.5.2 | | | | | | | | |
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|  | | **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** |

### 6.5.2 Definition of SMS charging information

SMS specific charging information used for SMS converged charging is provided within the SMS charging Information.

Table 6.5.2.1: Structure of SMS Charging information

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| Information Element | Category | Description |
| Originator Info | OM | This field is a grouped field and holds information on originator of the SMS |
| Originator SUPI | OM | This field holds the SUPI of the originator of the SMS, if available. This field is present if different from subscriber identifier field. |
| Originator GPSI | O**C** | This field holds the GPSI of the originator of the SMS, if available. |
| Originator Other Address | OM | This field holds the address of the originator of the SMS, when different from SUPI and GPSI, if available: e.g. email, short code.  This field may have multiple occurences. |
| Originator Received Address | O**C** | Described in table 6.3.1.2.1 |
| Originator SCCP Address | O**C** | Described in table 6.3.1.2.1 |
| SM Originator Interface | OM | Described in table 6.3.1.2.1 |
| SM Originator Protocol Id | O**C** | Described in table 6.3.1.2.1: SM Protocol Id information element |
| Recipient Info | OC | Described in table 6.3.1.2.1 |
| Recipient SUPI | OM | This field holds the SUPI of the recipient of the SMS, if available. This field is present if different from subscriber identifier field. |
| Recipient GPSI | O**C** | This field holds the GPSI of the recipient of the SMS, if available. |
| Recipient Other Address | OC | This field holds the address of the recipient of the SMS, when different from SUPI and GPSI, if available: e.g. email, short code.  This field may have multiple occurences |
| Recipient Received Address | OC | Described in table 6.3.1.2.1 |
| Recipient SCCP Address | OC | Described in table 6.3.1.2.1 |
| SM Destination Interface | OM | Described in table 6.3.1.2.1 |
| SM Recipient Protocol Id | OC | Described in table 6.3.1.2.1: SM Protocol Id information element. |
| User Equipment Info | OC | This field holds the identification of the terminal (i.e. PEI, MAC Address) used by the UE the SMS transaction, if available. |
| Roamer In Out | OC | This field holds an indication of the UE is an in-bound roamer. This field is present only if UE is identified as a roamer. |
| User Location Info | OC | Described in table 6.3.1.1.1 |
| UE Time Zone | OC | Described in table 6.3.1.1.1 |
| RAT Type | OC | Described in table 6.3.1.1.1 |
| SMSC Address | OM | Described in table 6.3.1.2.1 |
| SM Data Coding Scheme | OM | Described in table 6.3.1.2.1 |
| SM Message Type | OM | Described in table 6.3.1.2.1 |
| SM Reply Path Requested | OC | Described in table 6.3.1.2.1 |
| SM User Data Header | OC | Described in table 6.3.1.2.1 |
| SM Status | OC | Described in table 6.3.1.2.1 |
| SM Discharge Time | OC | Described in table 6.3.1.2.1 |
| Number of Messages Sent | OC | Described in table 6.3.1.2.1 |
| SM Service Type | OC | Described in table 6.3.1.2.1 |
| SM Sequence Number | OC | Described in table 6.3.1.2.1 |
| SMS result | C | Described in table 6.3.1.2.1 |
| Submission Time | OC | Described in table 6.3.1.1.1 |
| SM Priority | OC | Described in table 6.3.1.1.1 |
| Message Reference | OM | Described in table 6.3.1.1.1 |
| Message Size | OM | Described in table 6.3.1.1.1 |
| Message Class | OM | Described in table 6.3.1.1.1 |
| Delivery Report Requested | OC | Described in table 6.3.1.1.1 |

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| **End of change** |