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

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

|  |
| --- |
| *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)*.* |
|  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

|  |
| --- |
|  |
| ***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 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 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.  |
|  |  |
| ***Summary of change:*** | Add missing descriptions for SMS Charging information. |
|  |  |
| ***Consequences if not approved:*** | Incorrect implementations for SMS Charging will cause inter-operator errors. |
|  |  |
| ***Clauses affected:*** | 6.5.2 |
|  |  |
|  | **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:*** |  |

|  |
| --- |
| **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

|  |  |  |
| --- | --- | --- |
| 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 |

|  |
| --- |
| **End of change** |