**3GPP TSG-SA5 Meeting #140-e *S5-216075***

**e-meeting, 15 - 24 November 2021**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **32.275** | **CR** | **0083** | **rev** | **-** | **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)*.* | | | | | | | | |
|  | | | | | | | | |

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Correction of references for converged charging | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson LM | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5GSIMSCH | | | | |  | ***Date:*** | | | 2021-11-04 |
|  |  | | | |  | |  | | |  |
| ***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 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 reference to the MMTel charging information is to clause 6.4 instead of 6.4.2 and there is no information in the response.  Editor’s note should also be removed. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Correct the reference for MMTel charging information and removing reference for response and editor’s note. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Charging for MMTel cannot be supported by converged charging. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.4.1.2.1, 6.4.1.2.2, 6.4.2.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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** |

##### 6.4.1.2.1 Charging Data Request message

Table 6.4.1.2.1.1 illustrates the basic structure of a Charging Data Request message as used for MMTel converged charging.

Table 6.4.1.2.1.1: Charging Data Request message contents

| Information Element | Category | Description |
| --- | --- | --- |
| See Charging Data-Request message fields described in TS 32.260 [20] with MMTel specific triggers described in clause 5.4.1.2. | | |
| MMTel charging information | OC | This field includes a list of MMTel supplementary services specific information described in clause 6.4.2.2 |

|  |
| --- |
| **Second change** |

##### 6.4.1.2.2 Charging Data Response message

Table 6.4.1.2.2.1 illustrates the basic structure of a Charging Data Response message as used for MMTel converged charging.

Table 6.4.1.2.2.1: Charging Data Response Message Contents

| **Information Element** | **Category** | **Description** |
| --- | --- | --- |
| See Charging Data-Response message fields described in TS 32.260 [20] with MMTel specific triggers described in clause 5.4.1.2. | | |
|  |  |  |

|  |
| --- |
| **Third change** |

#### 6.4.2.2 Definition of MMTel charging information

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

Table 6.4.2.2.1: Structure of MMTel Charging Information

|  |  |  |
| --- | --- | --- |
| Information Element | Category | Description |
| Supplementary Service | OM | This is a grouped field comprising several sub-fields associated with one supplementary service. It can be present multiple times as necessary to present the parallel activity of the different supplementary services. |
| Service Type | OM | This field holds the type of the supplementary service: OIP, OIR, TIP, TIR, CW, HOLD, CB, MWI, CONF, CDIV, ECT, FA, MCID, CAT, CUG, PNM, or CRS. |
| Service Mode | OC | This field holds the mode of specific service type for  - CB: ACR, ICB, OC, or B,  - CDIV: CFU, CFB, CFNR, CFNRc, CFNL, or CFUDB and  - CONF: 3PTY |
| Number of diversions | OC | This field holds the number of diversions for CDIV. |
| Associated party address | OC | This field holds additional party identification needed for the service charging for  - CDIV the "forwarding party"  - ECT the "transferor"  - FA the "Pilot Identity"  - 3PTY the "Initiator party". |
| Conference Id | OC | This field holds the conference ID specific for CONV |
| Participant Action Type | OC | This field holds the participant action type for CONF: CREATE\_CONF, JOIN\_CONF, INVITE\_CONF, QUIT\_CONF at the time stamped indicated in the "Change Time". |
| Change Time | OC | This field holds the time of the requested action indicated in the "Participant Action Type" during the supplementary service CONF.  For "Participant Action Type":  - CREATE this field indicates the start time of the CONF  - QUIT and Number Of Participants is 0, this field indicates the end time of the CONF |
| Number Of Participants | OC | This field holds the number of parties who are currently attached to the Conference at the time stamped indicated in the "Change Time", for the CONF supplementary service. |
| CUG Information | OC | This field holds the CUG information conveyed by the Network and identifies the CUG-communication: it is the "CUG Interlock Code". |

|  |
| --- |
| **End of changes** |