**3GPP TSG-CT1 Meeting #134-e *C1-22xxyx***

**Online, , 17th Feb 2022 - 25th Feb 2022**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.582** | **CR** | **0017** | **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 | **X** | Radio Access Network |  | Core Network | **X** |

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| ***Title:*** | Correction of text table values for Payload Content Type | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Sepura Ltd | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | MCProtoc17 | | | | |  | ***Date:*** | | | 2022-02-09 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **C** |  | | | | | ***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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Table 15.2.13-2 duplicates the definitions of Payload Content Type from 3GPP TS 24.282 rather than referencing them | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Table values also appearing in 3GPP TS 24.282 are referenced into that specification | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Risk of mismatch of common values used in both core specification and derivative specification for interworking if either values are changed. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.2.2.1, 15.2.13 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | C1-221235 | | | | | | | | |

\* \* \* First Change \* \* \* \*

### 6.2.2 MCData conversation items

#### 6.2.2.1 IWF generating an SDS Message

In order to generate an SDS message, the IWF performing the participating role:

1) shall generate an SDS SIGNALLING PAYLOAD message as specified in clause 15.1.2;

2) shall generate a DATA PAYLOAD message as specified in clause 15.1.4;

3) shall include in the SIP request, the SDS SIGNALLING PAYLOAD message in an application/vnd.3gpp.mcdata-signalling MIME body as specified in 3GPP TS 24.282 [82] clause E.1; and

4) shall include in the SIP request, the DATA PAYLOAD message in an application/vnd.3gpp.mcdata-payload MIME body as specified in 3GPP TS 24.282 [82] clause E.2.

When generating an SDS SIGNALLING PAYLOAD message as specified in clause 15.1.2, the IWF performing the participating role:

1) shall set the Date and time IE to the current time as specified in 3GPP TS 24.282 [82] clause 15.2.8;

2) if the SDS message starts a new conversation, shall set the Conversation ID IE to a newly generated Conversation ID value as specified in clause 15.2.9;

3) if the SDS message continues an existing unfinished conversation, shall, if available, set the Conversation ID IE to the Conversation ID value of the existing conversation as specified in clause 15.2.9, or shall set the Conversation ID IE to the Conversation ID value "UNKNOWN CONVERSATION" as specified in clause 15.2.9;

4) shall set the Message ID IE to a newly generated Message ID value as specified in clause 15.2.10;

5) if the SDS message is in reply to a previously received SDS message shall include the InReplyTo message ID IE with the Message ID value:

i) set to the Message ID value in the previously received SDS message;

ii) set to the Message ID value "LMR MESSAGE ID"as specified in clause 15.2.10, with the value of octet 16 of the LMR MESSAGE ID set to the value of octet 16 of the Message ID in the previously received SDS message; and

iii) set to the Message ID value "UNKNOWN ORIGINATING MESSAGE ID" as specified in clause 15.2.10;

6) if the SDS message is for user consumption, shall not include an Application ID IE as specified in 3GPP TS 24.282 [82] clause 15.2.7 and shall not include an Extended application ID IE as specified in 3GPP TS 24.282 [82] clause 15.2.24;

7) if the SDS message is intended for an application on the terminating MCData client, shall include:

a) an Application ID IE with a Application ID value representing the intended application as specified in 3GPP TS 24.282 [82] clause 15.2.7; or

b) an Extended application ID IE with an Extended application ID value representing the intended application as specified in 3GPP TS 24.282 [82] clause 15.2.24;

NOTE: The value chosen for the Application ID value is decided by the mission critical organisation.

8) if only a delivery disposition notification is required shall include a SDS disposition request type IE set to "DELIVERY" as specified in 3GPP TS 24.282 [82] clause 15.2.3;

9) if only a read disposition notification is required shall include a SDS disposition request type IE set to "READ" as specified in 3GPP TS 24.282 [82] clause 15.2.3; and

10) if both a delivery and read disposition notification is required shall include a SDS disposition request type IE set to "DELIVERY AND READ" as specified in 3GPP TS 24.282 [82] clause 15.2.3.

When generating a DATA PAYLOAD message for SDS as specified in clause 15.1.4, the IWF performing the participating role:

1) shall set the Number of payloads IE to the number of Payload IEs that need to be encoded, as specified in clause 15.2.12;

2) if end-to-end security is required for a one-to-one communication, shall include the Security parameters and Payload IE with security parameters as described in 3GPP TS 33.180 [78]. Otherwise, if end-to-end security is not required for a one-to-one communication, shall include the Payload IE as specified in clause 15.1.4; and

3) for each Payload IE included:

a) if the payload is text, shall set the Payload content type as "TEXT" as specified in 3GPP TS 24.282 [82] clause 15.2.13;

b) if the payload is binary data, shall set the Payload content type as "BINARY" as specified in 3GPP TS 24.282 [82] clause 15.2.13;

c) if the payload is hyperlinks, shall set the Payload content type as "HYPERLINKS" as specified in 3GPP TS 24.282 [82] clause 15.2.13;

d) if the payload is location, shall set the Payload content type as "LOCATION" as specified in 3GPP TS 24.282 [82] clause 15.2.13;

e) if payload is enhanced status for a group, shall set the Payload content type as "ENHANCED STATUS" as specified in 3GPP TS 24.282 [82] clause 15.2.13;

f) if payload is a native LMR message, shall set the Payload content type as "LMR MESSAGE" as specified in clause 15.2.13; and

g) shall include the data to be sent in the Payload data.

\* \* \* Next Change \* \* \* \*

### 15.2.13 Payload

The Payload information element contains the payload intended for the recipient user or application;

The Payload information element is coded as shown in Figure 15.2.13-1, Table 15.2.13-1, Table 15.2.13-2, Table 15.2.13-3 and Table 15.2.13-4.

The Payload information element is a type 6 information element.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Payload IEI | | | | | | | | octet 1 |
| Length of Payload contents | | | | | | | | octet 2 |
|  | | | | | | | | octet 3 |
|  | | | | | | | | octet 4 |
| Payload contents | | | | | | | |  |
|  | | | | | | | | octet n |

Figure 15.2.13-1: Payload information element

Table 15.2.13-1: Payload contents

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Payload content type | | | | | | | | octet 4 |
|  | | | | | | | | octet 5 |
| Payload data | | | | | | | |  |
|  | | | | | | | | octet n |

Table 15.2.13-2: Payload content type

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Bits | | | | | | | |  |  |
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |  | LMR MESSAGE (NOTE) |
|  |  |  |  |  |  |  |  |  |  |
| All other values and types are as defined in 3GPP TS 24.282 [82] clause 15.2.13.  NOTE: The LMR MESSAGE format identifies the payload content as a native LMR format message for transport between LMR aware endpoints as per 3GPP TS 23.283 [80] | | | | | | | | | |

\* \* \* End Change \* \* \* \*