

## CHANGE REQUEST

**33.246 CR 009** rev **1** Current version: **6.0.0**

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the symbols.

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

<b>Title:</b>	MBMS MTK Download transport		
<b>Source:</b>	SA WG3		
<b>Work item code:</b>	MBMS	<b>Date:</b>	22/09/2004
<b>Category:</b>	<b>C</b>	<b>Release:</b>	Rel-6
	<p>Use <u>one</u> of the following categories:</p> <p><b>F</b> (correction)</p> <p><b>A</b> (corresponds to a correction in an earlier release)</p> <p><b>B</b> (addition of feature),</p> <p><b>C</b> (functional modification of feature)</p> <p><b>D</b> (editorial modification)</p> <p>Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a>.</p>		<p>Use <u>one</u> of the following releases:</p> <p>2 (GSM Phase 2)</p> <p>R96 (Release 1996)</p> <p>R97 (Release 1997)</p> <p>R98 (Release 1998)</p> <p>R99 (Release 1999)</p> <p>Rel-4 (Release 4)</p> <p>Rel-5 (Release 5)</p> <p>Rel-6 (Release 6)</p>

<b>Reason for change:</b>	The delivery of MTK must be specified.
<b>Summary of change:</b>	A section stating how the MIKEY message containing the MTK is delivered over the same FLUTE stream as the actual downloaded object. The details on how the messages are carried in FLUTE should be specified by SA4.
<b>Consequences if not approved:</b>	There will not be a way to get the MTK from the BM-SC to the UE in the download case.

<b>Clauses affected:</b>	2, 6.3.3.2										
<b>Other specs Affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;"></td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">X</td> </tr> </table>	Y	N	X			X		X	Other core specifications	26.346
Y	N										
X											
	X										
	X										
		Test specifications									
		O&M Specifications									
<b>Other comments:</b>											

## \_\_FIRST\_CHANGE\_\_

---

## 2 References

The following documents contain provisions, which, through reference in this text, constitute provisions of the present document.

References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.

- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

- [1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".
- [2] 3GPP TS 22.146: "Multimedia Broadcast/Multicast Service; Stage 1".
- [3] 3GPP TS 23.246: "Multimedia Broadcast/Multicast Service (MBMS); Architecture and Functional Description".
- [4] 3GPP TS 33.102: "3G Security; Security Architecture".
- [5] 3GPP TS 22.246: "MBMS User Services".
- [6] 3GPP TS 33.220: "Generic Authentication Architecture (GAA); Generic Bootstrapping Architecture".
- [7] 3GPP TS 31.102: "Characteristics of the USIM application".
- [8] IETF RFC 2617 "HTTP Digest Authentication".
- [9] IETF RFC 3830 "MIKEY: Multimedia Internet KEYing"
- [10] IETF RFC 1982 "Serial Number Arithmetic".
- [11] IETF RFC 3711 "Secure Real-time Transport Protocol".
- [12] 3GPP TS 43.020: "Security related network functions".
- [13] [3GPP TS 26.346: "Multimedia Broadcast/Multicast Service; Protocols and Codecs"](#).

## \_\_SECOND\_CHANGE\_\_

### 6.3.3.2 MTK update procedure

The MTK is delivered to the UE as in 6.3.2.3.1 but the MIKEY ACK is not used.

#### [6.3.3.2.1 MTK delivery in download](#)

In the download case the MIKEY message carrying the MTK shall be delivered over the same FLUTE stream as the object to be downloaded to the UE [13]. This means that the message is specified as a separate object in the FLUTE File Delivery Table (FDT), having its own identifier. The mime-type of the object carrying the MIKEY message shall be the IANA-registered type for MIKEY.