Technical Specification Group Services and System Aspects
Meeting #19, Birmingham, UK, 17-20 March 2003

TSGS#19(03)0032

Source: **SA1**

Title: **CR to 22.340 on required message formats for IMS messaging (Rel-6)**

Document for: **Approval**

Agenda Item: **7.1.3**

SA Doc	Spec	CR	Rev	Phase	Cat	Subject	Old Vers	New Vers	SA1 Doc
SP-030032	22.340	001	-	Rel-6	D	CR to 22.340 on required message formats for IMS messaging	6.0.0	6.1.0	S1-030260

CR-Form-v7

CHANGE REQUEST

⌘ **22.340** **CR** **001** ⌘**rev** **-** ⌘ 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 ☐

Title:	⌘	Editorial correction and update of references for AMR
Source:	⌘	SA1 (T-Mobile)
Work item code:	⌘	IMSM-TS
Date:	⌘	23/01/2003
Category:	⌘	**D**
Release:	⌘	REL-6

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction 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.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change:	⌘	Upon request from SA4 the text "AMR for audio" was changed into "AMR for speech". Furthermore the references to 26.234 has been updated to reflect the fact that it was split into 3 specifications.
Summary of change:	⌘	Changed AMR for audio into AMR for speech, updated reference 26.234
Consequences if not approved:	⌘	Incorrect use of the term AMR and wrong references.

Clauses affected:	⌘	2, 6.2, 7.2

Other specs affected: ⌘	Y	N		⌘
		X	Other core specifications	
		X	Test specifications	
		X	O&M Specifications	

Other comments: ⌘

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be

downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

*** first modified section ****

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 TS 22.140: 3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Stage 1, Multimedia messaging service

[2] 3GPP TS 22.250: 3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Stage 1, IMS Group Management

[3] RFC 2486: "The Network Access Identifier"

[4] 3GPP TS 21.133; 3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; 3G Security; Security Threats and Requirements

[5] 3GPP TS 26.140; 3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Multimedia Messaging Service (MMS); Media formats and codecs

[6] 3GPP TS 26.234: "End-to-end transparent streaming Service (PSS); Protocols and Codecs".

[7] 3GPP TS 22.228; 3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1

[8] 3GPP TS 26.244: "Transparent end-to-end packet switched streaming service (PSS); 3GPP file format (3GP)";

[9] 3GPP TS 26.245: "Transparent end-to-end packet switched streaming service (PSS); Timed text format".

*** Next modified section ***

6.2 Message content requirements

Following requirements are specific to content delivered with immediate messaging.

a) Content size shall not be limited by technology.

b) It shall be possible to carry different media including text, images, video and audio within a single message. Media types shall be MIME encoded.

c) Immediate messaging shall provide a minimum set of supported formats to ensure full interoperability between different terminals and networks (e.g. JPEG for pictures, AMR for speech~~audio~~, H.263 for video). The minimum

set of supported formats shall be common to all IMS Messaging types. The minimum set of supported formats should be aligned with formats used in other 3GPP-defined services 3GPP TS 26.140 [5], 3GPP TS 26.234 [6].

d) Content formats shall be defined so that interworking with 3GPP and Internet messaging solutions is facilitated.

e) It shall be possible to compose message of either a single medium (e.g. voice) or multi-media (e.g. voice and video). The IMS Messaging service shall be able to support a request for media sequencing.

*** last modified section ****

7.2 Message content requirements

Following requirements are specific to content delivered with session based messaging.

a) Content size shall not be limited by technology.

b) It shall be possible to carry different media including text, images, video and audio. Media types shall be MIME encoded.

c) Session based messaging shall provide a minimum set of supported formats to ensure full interoperability between different terminals and networks (e.g. JPEG for pictures, AMR for ~~audio~~speech, H.263 for video). The minimum set of supported formats shall be common to all IMS Messaging types. The minimum set of supported formats should be aligned with formats used in other 3GPP-defined services 3GPP TS 26.140 [5], 3GPP TS 26.234 [6].

d) Content formats shall be defined so that they enable interworking with 3GPP and Internet messaging solutions.

e) It shall be possible to compose message of either a single medium (e.g. voice) or multi-media (e.g. voice and video). The IMS Messaging service shall be able to support a request for media sequencing.