Source: **TSG-SA WG4**

Title: CR to TS 26.140 on Correcting the reference to AMR and AMR-WB RTP payload (Release 5)

Document for: **Approval**

Agenda Item: **7.4.3**

The following CR, agreed at the TSG-SA WG4 meeting #21, is presented to TSG SA #16 for approval.

Spec	CR	Rev	Phase	Subject	Cat	Vers	WG	Meeting	S4 doc
26.140	001		REL-5	Correcting the reference to AMR and AMR-WB RTP payload	F	5.0.0	S4	TSG-SA WG4#21	S4-020274

CR-Form-v5.1

CHANGE REQUEST

| ⌘ | **TS 26.140 CR 001** | ⌘ rev | **-** | ⌘ | Current version: | **5.0.0** | ⌘ |

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

Proposed change affects: ⌘　(U)SIM ☐　ME/UE **X**　Radio Access Network **X**　Core Network **X**

Title: ⌘	Correcting the reference to AMR and AMR-WB RTP payload	
Source: ⌘	TSG SA WG4	
Work item code: ⌘	MMS	***Date:*** ⌘ June 11, 2002
Category: ⌘ **F**		***Release:*** ⌘ REL-5

Use <u>one</u> 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 <u>TR 21.900</u>.

Use <u>one</u> 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)

Reason for change: ⌘	Reference to AMR and AMR-WB RTP payload format has become available	
Summary of change: ⌘	Reference to IETF RFC 3267 is added	
Consequences if not approved: ⌘	Specification is refering to a different specification while direct reference is available.	

Clauses affected: ⌘	Sections 2, 4.2 and 4.9		
Other specs affected: ⌘	☐ Other core specifications ⌘		
	☐ Test specifications		
	☐ 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.

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]   The Unicode Consortium: "The Unicode Standard", Version 2.0, Addison-Wesley Developers Press, 1996.URL: http://www.unicode.org/.

[3]   ANSI X3.4, 1986: "Information Systems; Coded Character Set 7 Bit; American National Standard Code for Information Interchange".

[4]   ISO/IEC 8859-1:1998: "Information technology; 8-bit single-byte coded graphic character sets; Part 1: Latin alphabet No. 1".

[5]   IETF; RFC 2279: "UTF-8, A Transformation format of ISO 10646", URL: http://www.ietf.org/rfc/rfc2279.txt.

[6]   3GPP TS 24.011: "Point-to-Point (PP) Short Message Service (SMS) support on mobile radio interface".

[7]   3GPP TS 26.090: "AMR speech Codec Transcoding functions".

[8]   ITU-T Recommendation T.81: "Information technology; Digital compression and coding of continuous-tone still images: Requirements and guidelines".

[9]   "JPEG File Interchange Format", Version 1.02, September 1, 1992

[10]   ITU-T Recommendation H.263: "Video coding for low bit rate communication".

[11]   ITU-T Recommendation H.263 (annex X): "Annex X: Profiles and levels definition".

[12]   ISO/IEC 14496-2 (1999): "Information technology - Coding of audio-visual objects - Part 2: Visual".

[13]   ISO/IEC 14496-2:1999/FDAM4, ISO/IEC JTC1/SC 29/WG11 N3904, Pisa, January, 2001.

[14]   3GPP TS 26.234: "End-to-end transparent streaming Service; Protocols and codecs".

[15]   CompuServe Incorporated: "GIF Graphics Interchange Format: A Standard defining a mechanism for the storage and transmission of raster-based graphics information", Columbus, OH, USA, 1987

[16]   Compuserve Incorporated, Columbus, Ohio (1990): "Graphics Interchange Format (Version 89a)".

[17]   IETF RFC 2083: "PNG (Portable Networks Graphics) Specification version 1.0 ", T. Boutell, et. al., March 1997

[18]   ITU-T Recommendation H.263 (1998): "Video coding for low bit rate communication - Annex X, Profiles and Levels Definition".

[19]   ISO/IEC 14496-3:2001, "Information technology -- Coding of audio-visual objects -- Part 3: Audio".

[20]   W3C Working Draft: "Scalable Vector Graphics (SVG)", http://www.w3.org/TR/SVG11.

[21]   W3C Working Draft: "Mobile SVG Profiles: SVG Tiny and SVG Basic", http://www.w3.org/TR/SVGMobile

[22]   3GPP 22.140: "Service Aspects; Stage 1; Multimedia Messaging Service".:

[23]   3GPP 23.140: "Multimedia Messaging Service (MMS); Functional Description; Stage 2".

[24]   W3C Recommendation: "Synchronized Multimedia Integration Language (SMIL 2.0)", http://www.w3.org/TR/2001/REC-smil20-20010807/, August 2001

[25]   IETF RFC 2046: "Multipurpose Internet Mail Extensions (MIME) Part Two: Media Types".

[26]   3GPP TS 26.071: "Mandatory Speech Codec speech processing functions; AMR Speech Codec; General description".

[27]   3GPP TS 26.171: "AMR speech codec; General description".

[28]   Scalable Polyphony MIDI Specification, RP-34, MIDI Manufacturers Association, Los Angeles, CA, 2002, http://www.midi.org/about-midi/abtspmidi.htm

[29]   Scalable Polyphony MIDI Device 5-to-24 Note Profile for 3GPP, RP-35, MIDI Manufacturers Association, Los Angeles, CA, 2002, http://www.midi.org/about-midi/abtspmidi.htm

[30]   WAP-277, XHTML Mobile Profile, WAP Forum, http://www.wapforum.org/what/technical.htm

[31]   "Standard MIDI Files 1.0", RP-001, in "The Complete MIDI 1.0 Detailed Specification, Document Version 96.1 " The MIDI Manufacturers Association, Los Angeles, CA, USA, February 1996.

[32]   IETF RFC 3267: " RTP payload format and file storage format for the Adaptive Multi-Rate (AMR) Adaptive Multi-Rate Wideband (AMR-WB) audio codecs ", March 2002.

4.2   Speech

The AMR codec shall be supported for narrow-band speech [26].

The AMR wideband speech codec [27]shall be supported when wideband speech working at 16 kHz sampling frequency is supported.

When using speech media type alone, AMR or AMR-WB data is stored according to the file format specified in [32] [14], annex D.

Multi-channel sessions shall not be used.

4.9   File Format for dynamic media

NOTE 1: The file format used in the present document for timed multimedia (such as video, associated audio and timed text) is structurally based on the MP4 file format as defined in [14]. However, since non-ISO codecs are used here, it is called the 3GPP file format and has its own file extension and MIME type to distinguish these files from MPEG-4 files. When the present document refers to the MP4 file format, it is referring to its structure (ISO file format), not to its conformance definition.

To ensure interoperability for the transport of video and associated speech/audio and timed text in an MM, the MP4 file format shall be supported.

The usage of the MP4 file format shall follow the technical specifications and the implementation guidelines specified in TS 26.234 [14].

NOTE 2:   When using speech media type alone, AMR or AMR-WB data is stored according to the file format specified in [32] [14], annex D.

NOTE 3:   3GPP TS 26.234 [14] specifies a mechanism for the registration of AMR and H.263 codestreams to be included in MP4 files.