Technical Specification Group Services and System Aspects **TSGS#18(02)0691** Meeting #18, New Orleans, USA, 9 - 12 December 2002

Source: TSG-SA WG4

Title: CRs to TS 26.140 - Corrections (Release 5)

Document for: Approval

Agenda Item: 7.4.3

The following CRs, agreed at the TSG-SA WG4 meeting #23, are presented to TSG SA #18 for approval.

Spec	CR	Rev	Phase	Subject	Cat	Vers	WG	Meeting	S4 doc
26.140	002		Rel-5	Code points for H.263	F	5.1.0	S4	TSG-SA WG4#23	S4-020540
26.140	003	1		File Format name change from MP4 to 3GP	F	5.1.0	S4	TSG-SA WG4#23	S4-020609

3GPP TSG-SA4 Meeting #23 Montreal, Canada, 30 September-4 October 2002

CHANGE REQUEST								CR-Form-V/			
*	26.	<mark>140</mark> (CR <mark>002</mark>	2	⊭ rev	_	ж	Current	version	[:] 5.1.0) [#]
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Clauses affected:	¥	4.7									
Other specs affected:	¥	N T	Other core est speci O&M Spec	fications		ж					
Other comments:	ж										

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.

4.7 Video

For terminals supporting media type video, ITU-T Recommendation H.263 [10] profile 0 level 10 shall be supported. This is the mandatory video codec for the MMS. In addition, MMS should support:

- H.263 [11] Profile 3 Level 10;
- MPEG-4 Visual Simple Profile Level 0, [12] and [13].

These two video codecs are optional to implement.

An optional video buffer model is given in annex G document [14].

NOTE: ITU T Recommendation H.263 [10] baseline has been mandated to ensure that video enabled MMS support a minimum baseline video capability and interoperability can be guaranteed (an H.263 baseline bitstream can be decoded by both H.263 and MPEG-4 decoders). It also provides a simple upgrade path for mandating more advanced codecs in the future (from both the ITU T and ISO MPEG). ITU-T Recommendation H.263 profile 0 has been mandated to ensure that video-enabled MMS supports a minimum baseline video capability. Both H.263 and MPEG-4 visual decoders can decode an H.263 profile 0 bitstream. It is strongly recommended, though, that an H.263 profile 0 bitstream is transported and stored as H.263 and not as MPEG-4 visual (short header), as MPEG-4 visual is not mandated by MMS.

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			СН	ANGE	REQ	UE	ST				CR-Form-v7
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Other specs affected:	Ж	Y N Y N N	Test spe	re specifications		Ж	CR -	TS 26.234 04	11		
Other comments:	ж										

How to create CRs using this form:

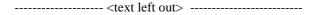
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3.2 Abbreviations

For the purposes of the present document, the abbreviations given in 3GPP TR 21.905 [1] and the following apply:

3GP	3GPP file format
AAC	Advanced Audio Coding
CC/PP	Composite Capability/Preference Profiles
GIF	Graphics Interchange Format
H.263	ITU-T video codec
ITU-T	International Telecommunications Union - Telecommunications
JFIF	JPEG File Interchange Format
JPEG	Joint Picture Expert Group
MIDI	Musical Instrument Digital Interface
MIME	Multipurpose Internet Mail Extensions
MM	Multimedia Message
MMS	Multimedia Messaging Service
MPEG	Motion Picture Expert Group
MP4	MPEG-4 file format
PSS	Packet-switched Streaming Service
SP-MIDI	Scalable Polyphony MIDI
SVG	Scalable Vector Graphics
UTF-8	Unicode Transformation Format (the 8-bit form)



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 codees 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. The 3GPP file format (3GP), used in this specification for timed multimedia (such as video, associated audio and timed text), is structurally based on the ISO base media file format. The conformance statement for 3GP files is defined in [14] by addressing the registration of codecs, file identification, file extension and MIME type definition.

To ensure interoperability for the transport of video and associated speech/audio and timed text in an MM, the MP4 3GPP file format shall be supported.

The usage of the MP4-3GPP 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].

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.