Technical Specification Group Services and System Aspects **TSGS#21(03)0449**
Meeting #21, Frankfurt, Germany
22-25 September 2003

Source: **TSG-SA WG4**

Title: **CRs to TS 26.236 - Corrections (Release 5)**

Document for: **Approval**

Agenda Item: **7.4.3**

The following CRs, agreed at the TSG-SA WG4 meeting #28, are presented to TSG SA #21 for approval.

Spec	CR	Rev	Phase	Subject	Cat	Vers	WG	Meeting	S4 doc
26.236	006		Rel-5	Correction of obsolete RTP references	F	5.3.0	S4	TSG-SA WG4#28	S4-030608
26.236	007	1	Rel-5	Correction of wrong reference	F	5.3.0	S4	TSG-SA WG4#28	S4-030649

3GPP TSG-SA4 Meeting #28
Erlangen, Germany, 1-5 September 2003

Tdoc ⌘S4-030608

CR-Form-v7

CHANGE REQUEST

⌘ **26.236** **CR** **006** ⌘ **rev** **-** ⌘ Current version: **5.3.0** ⌘

*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:	⌘	Correction of obsolete RTP references
Source:	⌘	TSG SA WG4
Work item code:	⌘	IMS-CODEC
Date:	⌘	22/09/2003
Category:	⌘	**F**
Release:	⌘	Rel-5

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:	⌘	IETF has published new RFC specifications for RTP and AVP (RTP Profile for Audio and Video Conferences with Minimal Control). The new specifications • make references [3] and [4] in 26.234 obsolete • contain necessary information for the implementation of the mandatory SDP bandwidth modifiers RR and RS, • include corrections and clarifications resolving ambiguities. Backward compatibility is maintained for all areas relevant to 26.236.
Summary of change:	⌘	References [3] and [4] have been updated.
Consequences if not approved:	⌘	The specification will refer to obsolete references. The mandatory SDP bandwidth modifiers RR and RS cannot be correctly implemented. Implementers will have problems resolving ambiguities.

Clauses affected:	⌘	~~Chapters~~ 2 and 5

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

Other comments:	⌘	The correction is also proposed for PSS in CR 65 to TS 26.234.

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.
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[1] IETF RFC 2543: "SIP: Session Initiation Protocol".

[2] IETF RFC 2327: "SDP: Session Description Protocol".

[3] IETF RFC 3550~~1889~~: "RTP: A Transport Protocol for Real-Time Applications", Schulzrinne H. et al, July 2003.

[4] IETF RFC 3551~~1890~~: "RTP Profile for Audio and Video Conferences with Minimal Control", Schulzrinne H. and Casner S., July 2003.

[5] 3GPP TS 26.235: "Packet switched conversational multimedia applications; Default codecs".

[6] 3GPP TS 24.228: "Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3".

[7] 3GPP TS 24.229: "IP multimedia call control protocol based on SIP and SDP".

[8] 3GPP TS 23.228: "IP Multimedia Ssubsystem (IMS); Stage 2".

[9] 3GPP TS 23.107: "Quality of Service (QoS) concept and architecture".

[10] 3GPP TS 23.207: "End to end quality of service concept and architecture".

[11] 3GPP TS 23.060: "General Packet Radio Service (GPRS); Service description; Stage 2".

[12] 3GPP TS 26.071: "Mandatory Speech Codec speech processing functions; AMR Speech Codec; General description".

[13] 3GPP TS 26.090: "AMR speech Codec; Transcoding Functions".

[14] 3GPP TS 26.073: "AMR speech Codec; C-source code".

[15] 3GPP TS 26.104: "ANSI-C code for the floating-point Adaptive Multi-Rate AMR speech codec".

[16] 3GPP TS 26.171 (Release 5): "AMR speech codec, wideband; General description".

[17] 3GPP TS 26.190 (Release 5): "Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Transcoding functions".

[18] 3GPP TS 26.201 (Release 5): "AMR speech codec, wideband; Frame structure".

[19] 3GPP TS 26.235: "Packet switched conversational multimedia applications; Default codecs ". Annex B: "RTP payload format and storage format for AMR and AMR-WB audio".

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

[21] IETF RFC 2429: "RTP Payload Format for the 1998 Version of ITU-T Rec. H.263 Video (H.263+)".

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

[23] IETF RFC 3016: "RTP Payload Format for MPEG-4 Audio/Visual Streams".

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

[25] 3GPP TS 26.235: "Packet Switched Conversational Multimedia Applications; Default Codecs ". Annex C: "ITU-T H.263 MIME media type registration".

[26] ITU-T Recommendation T.140 (1998): "Protocol for multimedia application text conversation" (with amendment 2000).

[27] IETF RFC 2793: "RTP Payload for Text Conversation".

[28] IETF RFC 3578: "SDP bandwidth modifier for RTCP bandwidth".

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5 Media type requirements

Media type RTP payload usage is specified in this clause. The media types and corresponding codecs are specified in 3GPP TS 26.235 [5]. The continuous media type RTP payloads are mapped to RTP packets according to IETF RTP Profile for Audio and Video Conferences with Minimal Control in RFC 3551~~1890~~ [4].

CR-Form-v7

CHANGE REQUEST

⌘ **26.236** **CR** **007** ⌘**rev** **1** ⌘ Current version: **5.3.0** ⌘

*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 [X] Radio Access Network [ ] Core Network [ ]

Title:	⌘	Correction of wrong reference
Source:	⌘	TSG SA WG4
Work item code:	⌘	IMS-CODEC
Date:	⌘	22/09/2003
Category:	⌘	**F**
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Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	To avoid misinterpretation of the specification.
Summary of change:	⌘	The RFC number is wrong and it has been corrected.
Consequences if not approved:	⌘	The reference points to the wrong IETF document and there could be problems in implementations.

Clauses affected:	⌘	2			
Other specs affected:	⌘	Y	N		⌘
			X	Other core specifications	
			X	Test specifications	
			X	O&M Specifications	
Other comments:	⌘				

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[1] IETF RFC 2543: "SIP: Session Initiation Protocol".

[2] IETF RFC 2327: "SDP: Session Description Protocol".

[3] IETF RFC 1889: "RTP: A Transport Protocol for Real-Time Applications".

[4] IETF RFC 1890: "RTP Profile for Audio and Video Conferences with Minimal Control".

[5] 3GPP TS 26.235: "Packet switched conversational multimedia applications; Default codecs".

[6] 3GPP TS 24.228: "Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3".

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[28] IETF RFC 35~~78~~56: "Session Description Protocol (SDP) B~~b~~andwidth M~~m~~odifiers for RTP Control Protocol (RTCP) bandwidth", Casner S., July 2003.

********** END OF THE AMENDED SECTION **********