

3GPP TSG CN Plenary Meeting #20
04-06 June 2003. Hämeenlinna, FINLAND

NP-030243

Source: CN5 (OSA)
Title: Rel-5 CR 29.198-04-4 OSA API Part 4: Call control; Sub-part 4: Multi-Media Call Control SCF
Agenda item: 8.2
Document for: APPROVAL

Doc-1st-Level	Spec	CR	R	Ph	Subject	Ca t	Ver- Curr	Doc-2nd- Level	WI
NP-030243	29.198-04-4	006	-	Rel-5	Correction to TpAudioCapabilitiesType and TpVideoCapabilitiesType to correctly indicate the required capabilities	F	5.2.0	N5-030196	OSA2

CHANGE REQUEST

⌘ **29.198-04-4 CR 006** ⌘ rev **-** ⌘ Current version: **5.2.0** ⌘

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 to TpAudioCapabilitiesType and TpVideoCapabilitiesType to correctly indicate the required capabilities
Source:	⌘	Ultan Mulligan, ETSI PTCC
Work item code:	⌘	OSA2
		Date: ⌘ 7/05/2003
Category:	⌘	F
		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 TR 21.900 .
		Release: ⌘ REL-5 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) Rel-6 (Release 6)

Reason for change:	⌘	TpAudioCapabilitiesType and TpVideoCapabilitiesType contain lists of possible audio and video codecs which can be used in a multi media call. Most of these codec identifiers refer to specifications or standards, but no mention is give in the description of what standards these might be, or where to find them. Furthermore, some of these identifiers cannot easily be linked to any known codec standard, and are clearly wrong. Additional codecs may need to be added to bring these types up to date. This CR does not attempt to solve that issue.
Summary of change:	⌘	Correct TpAudioCapabilitiesType and TpVideoCapabilitiesType to include correct descriptions and references of the codecs being referred to.
Consequences if not approved:	⌘	The usefulness of these types will be limited, since most developers may not bother to 'decode' our cryptic identifiers and find the correct codec. Not performing this correction limits the useability of the Multi Media Call Control specification.

Clauses affected:	⌘									
Other specs affected:	⌘	<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;"> </td> <td style="text-align: center;">X</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> Other core specifications ⌘ Test specifications ⌘ O&M Specifications ⌘	Y	N		X		X		X
Y	N									
	X									
	X									
	X									
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.

8.1.4 TpMediaStreamDataTypeRequest

Defines the [Tagged Choice of Data Elements](#) that specify the media type and associated codecs that are of interest.

	Tag Element Type	
	TpMediaStreamDataTypeRequestType	

Tag Element Value	Choice Element Type	Choice Element Name
P_AUDIO_CAPABILITIES	TpAudioCapabilitiesType	Audio
P_VIDEO_CAPABILITIES	TpVideoCapabilitiesType	Video
P_DATA_CAPABILITIES	TpDataCapabilities	Data

8.1.5 TpMediaStreamDataTypeRequestType

Defines the media type of a media stream data type request.

Name	Value	Description
P_AUDIO_CAPABILITIES	1	Audio stream capabilities
P_VIDEO_CAPABILITIES	2	Video stream capabilities
P_DATA_CAPABILITIES	3	Data stream (e.g., ITU-T Rec. T.120) capabilities

8.1.6 TpAudioCapabilitiesType

Defines the audio codec. The requested capabilities can be indicated by adding the values together (i.e., a logical OR function). e.g., 28 indicates interest in all G.722 codes (4+8+16).

Name	Value	Description
P_G711_64K	1	ITU-T Rec. G.711 on 64k, both A-L aw and u -law
P_G711_56K	2	ITU-T Rec. G.711 on 56k, both A-L aw and u -law
P_G722_64K	4	ITU-T Rec. G.722 at 64kbit/s
P_G722_56K	8	ITU-T Rec. G.722 at 56kbit/s
P_G722_48K	16	ITU-T Rec. G.722 at 48kbit/s
P_G7231	32	ITU-T Rec. G.723.1
P_G728	64	ITU-T Rec. G.728
P_G729	128	ITU-T Rec. G.729
P_G729_ANNEX_A	256	ITU-T Rec. G.729 Annex A
P_131172IS11172	512	ISO/IEC 11172-3 (MPEG-1 audio)
P_IS138181318	1024	ISO/IEC 13818-3 (MPEG-2 audio)
P_G729_ANNEXB	2048	ITU-T Rec. G.729 Annex B
P_G729_ANNEX_A_AND_B	4096	ITU-T Rec. G.729 Annex A and B
P_G7231_ANNEX_C	8192	ITU-T Rec. G.723.1 Annex C
P_GSM_FULLRATE	16384	GSM Full Rate Codec
P_GSM_HALFRATE	32768	GSM Half Rate Codec
P_GSM_ENHANCED	65536	GSM Enhanced Full Rate Codec

8.1.7 TpVideoCapabilitiesType

Defines the video codec. The requested capabilities can be indicated by adding the values together (i.e., a logical OR function). e.g., 3 indicates both H.261 and H.262 codecs.

Name	Value	Description
P_H261	1	ITU-T Rec. H.261
P_H262	2	ITU-T Rec. H.262
P_H263	4	ITU-T Rec. H.263
P_IS11172	8	ISO/IEC 11172-2 (MPEG-1 video)

8.1.8 TpDataCapabilities

A TpInt32 defining the minimum maxBitRate in bit/s. I.e., all data media streams whose maxBitRate exceeds this number are reported.