

[] : reconfigurable video coding (RVC)

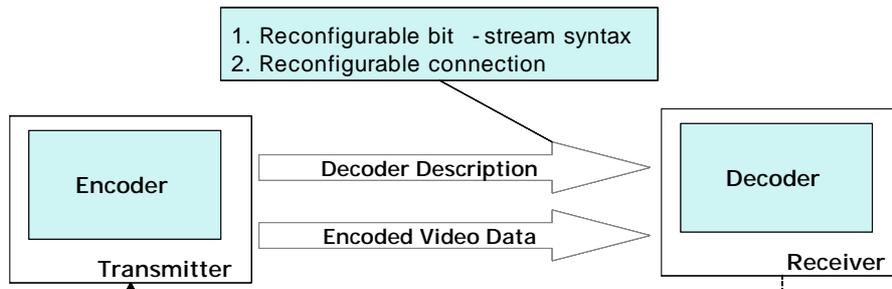
RVC

MPEG MPEG-1, MPEG-2, MPEG-4, MPEG-7, MPEG-21, MPEG-A, MPEG

reconfigurable video coding(RVC) framework
 RVC MPEG (tool)
 tool-box 가 framework , tool-box 가 /
 RVC framework /

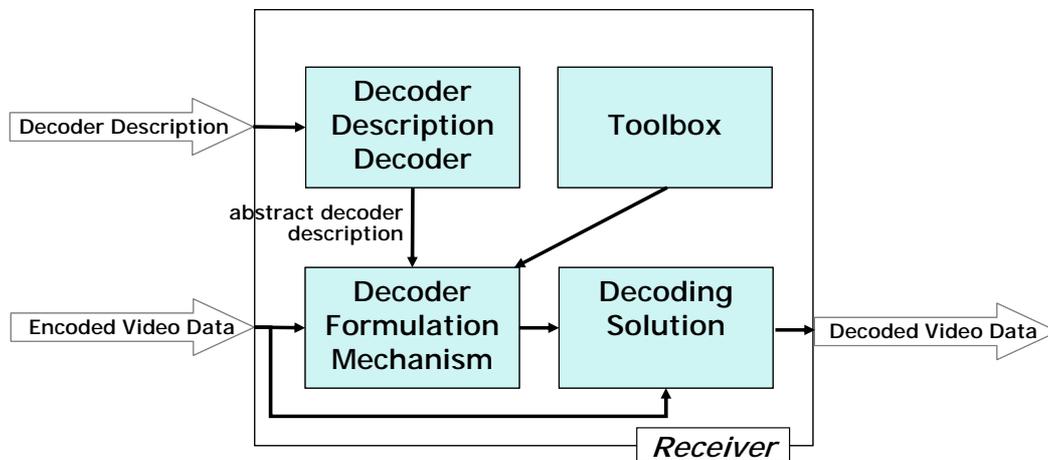
RVC Framework

bit-stream syntax
 , RVC bit-stream syntax
 (decoder description: DD)가 Decoder description
 bit-stream syntax 가
 1 RVC 가 (decoder description)
 RVC framework DD
 syntax parsing



< 1> RVC framework

2 DD decoder description decoder
 가 DD decoder description decoder
 decoder formulation mechanism(DFM) . DFM
 abstract decoder description, tool-box ,
 abstract decoder model(ADM) . ADM
 RVC framework DD



< 2 >

RVC

RVC 2006 78 MPEG MPEG-B() MPEG-C()
 decoder description abstract decoder model MPEG-B
 part 4 , tool-box MPEG-C part4

1) [Codec Configuration Representation \(ISO/IEC 23001-4, MPEG-B Part 4\)](#)

(DD) abstract decoder model
 2007 79 MPEG working draft 3.0
 compact decoder description
 language(CDDL) (EPFL) Xilinx
 ADM MPEG-21 bitstream syntax description
 language(BSDL) bit-stream syntax

2) [Video Tool Library \(ISO/IEC 23002-4, MPEG-C Part 4\)](#)

, RVC
 framework tool-box 2007 79
 MPEG working draft 3.0 MPEG
 functional unit(FU) , EFPL
 caltrop actor language(CAL) FU /
 / ,

RVC

1)

2004 3 MPEG Leonardo Chiariglione 68 MPEG video
 coding tools repository(VCTR) Ad Hoc group . 2006 75
 RVC 2007 79 MPEG working draft
 , RVC e-
 mail reflector(rvc-subscribe@listes.epfl.ch) 가
 Ad Hoc group 가

Standard	WD	CD	FCD	FDIS	IS
MPEG-B part4 (ISO/IEC 23001-4)	200607	200704	200710	200804	200807
MPEG-C part4 (ISO/IEC 23002-4)	200607	200704	200710	200804	200807

2)

audio video standard(AVS) 79 MPEG RVC
 AVS , China Netcom
 AVS RVC framework
 MPEG-2 AVS
 MPEG MPEG non-MPEG
 RVC framework 가 , RVC framework non-MPEG tool-box
 가 , RVC non-MPEG
 MPEG

3)

RVC / ,
 , Digital TV, DMB, IPTV, VCD, DVD
 가 .
 가 . RVC
 framework
 (, esjang@hanyang.ac.kr)