[   ] RVC(Reconfigurable Video Coding)

                                                        ,
MPEG   (Reconfigurable
video coding, RVC)   . RVC   MPEG
                                              '   (Tool-box)'
                        ,   .   /
        RVC   /   .

RVC
      1   /   RVC
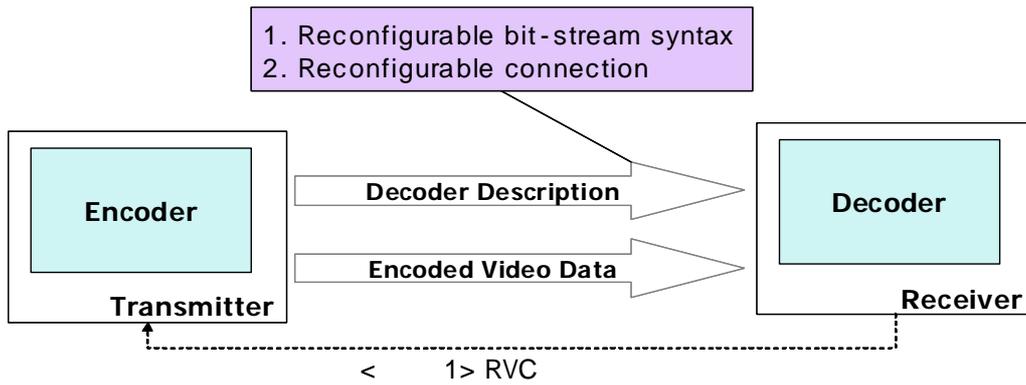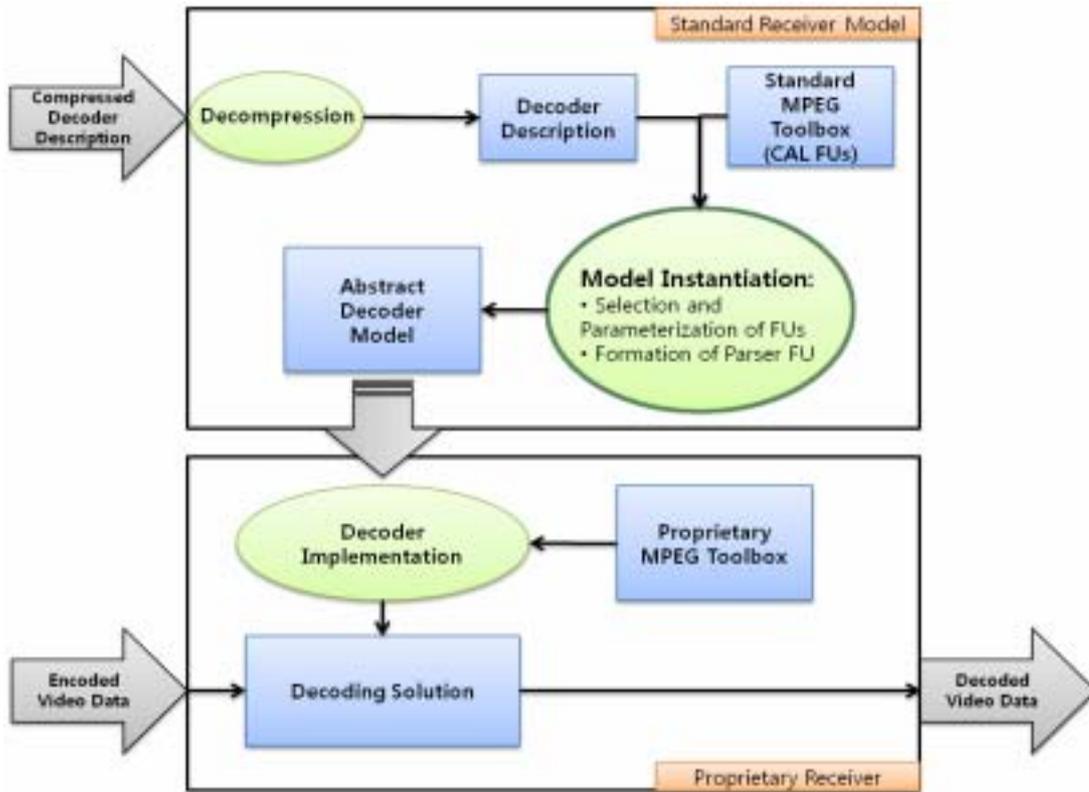   .   RVC   .
                      , RVC   (Encoded
Video Data)   .
                            (Decoder Description, DD)   ,

                            .

<   1> RVC

        2   (Receiver)   .   1   ,
                                                                      .
RVC   '
                              .   , RVC
      .
                                              '   (Parsing)
                ,   ,
                            .

< 2>

'   ' ,   '   ,   .

FU(Functional Unit,   )'   .   3   ,

      FU   .   FU   FU

                                        '

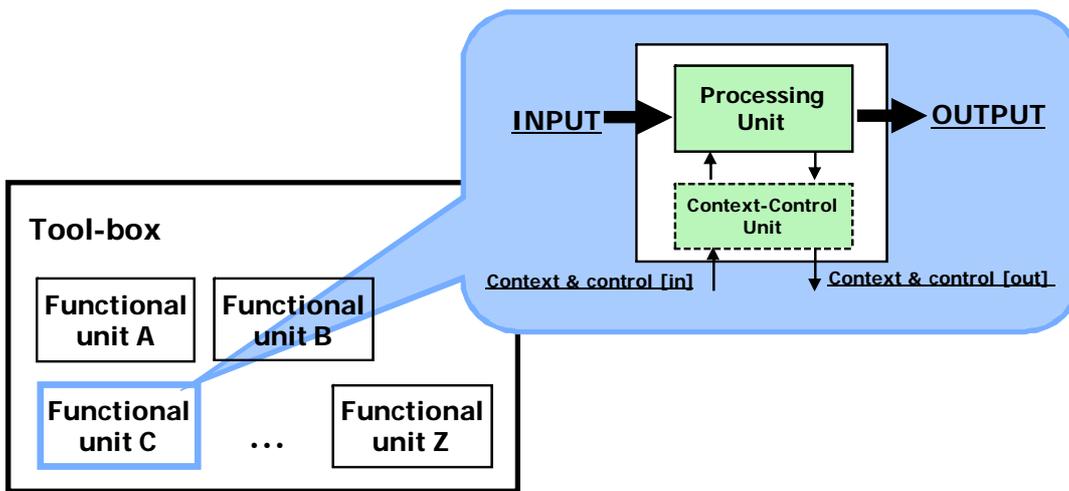   FU   .

<   3>   FU

RVC

MPEG(ISO/IEC JTC1/SC29/WG11)

RVC   (Ad Hoc Group)   ,   RVC
                                                                                                                        .
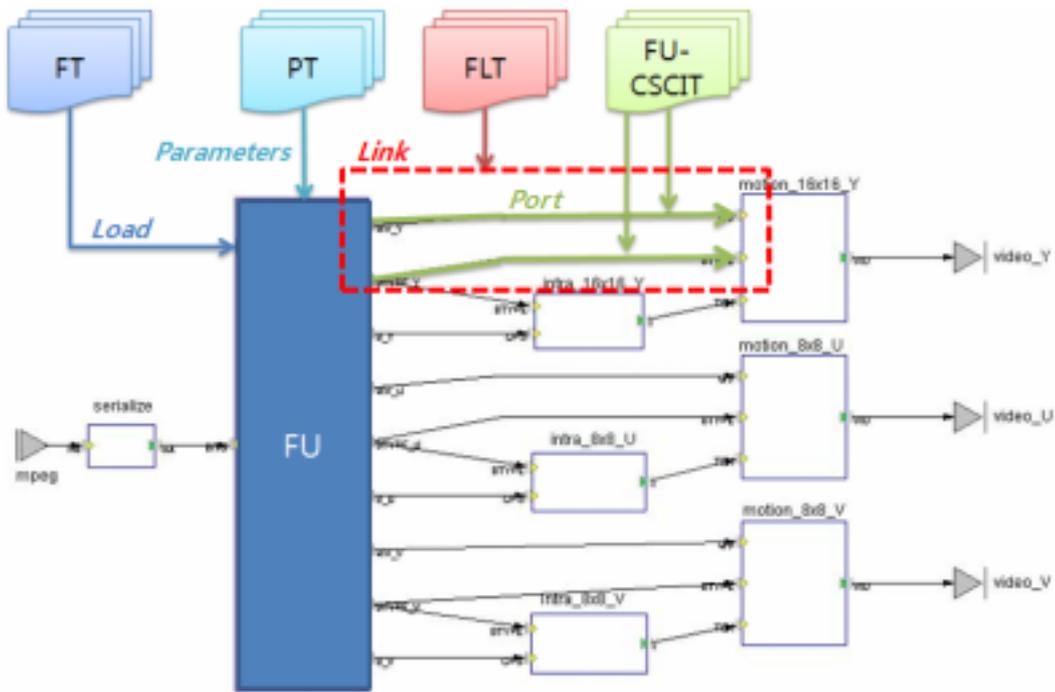   , RVC
              .

- ISO/IEC 23001- 4 MPEG- B Part 4. Codec Configuration Representation(CCR)
     CCR   (Decoder Description
     Language, DDL)   RVC
              . DDL   ,   EPFL
              CDDL(Compact Decoder Description Language)   EPFL
   XML- based DD   2   .
   2007   10   Committee Draft(CD)   .

- ISO/IEC 23002- 4 MPEG- C Part 4. Video Tool Library(VTL)
     VTL   ,
              , RVC   tool- box   .
            2007   79   MPEG   working draft 3.0   .   MPEG
                                   functional unit(FU)   , EFPL
              caltrop actor language(CAL)   FU   /
                              /   ,   .
            CCR   2007   10   CD   .

- RVC FU Conformance Testing(   )
                  MPEG- C VTL   FU
   FU Conformance Testing   .
              ISO   Working Draft(WD)   ,
                                          VTL
                  .

                              , DDL   (   )   MPEG
                        .
                      Compact Decoder Description Language(CDDL)
              RVC   ,
              (EPFL)   Caltrop Actor Language(CAL)   XML
   DD   RVC

VTL   MPEG (MPEG)
        FU   .   , CCR
                                                                    .   ,

        CCR   CDDL   XML- based DD   .
CDDL   FU
                  .

CDDL
     (Generic Syntax Parser FU)   .   (Finite
State Machine, FSM)   ,
                                        FSM(Virtual FSM)   .
4   . CDDL
                              ,   ,   4   SET, SRT, CSCIT,
DVT   FSM   .

<   4>   FSM

FU   .   FU   FU
                                    ,   FU
     (Port)   .
        5   FU   .   CDDL
4   FU   .   , FT
FU   Toolbox   .   FU
                        PT   ,   FU   FU
FLT   ,   FU-CSCIT
                    .

< 5> FU Network

MPEG   Core Experiment(CE)   ,
                                                              .   MPEG
            /Humax   CE   ,
/Humax   CDDL
                                                        , EPFL   MPEG BiM
                              1   .
                                                                                    CDDL
                (Binary Representation)   ,   XML
                MPEG BiM   .   CE   MPEG

                        .
            RVC   DD   ,   MPEG
                                                        ,   FU
        Conformance Testing
                              .

                                                                                    .   ,

                              .
                                        AVS(Audio Video Standard)   RVC
                        ,   MPEG   AVS   VC-1
SMPTE   .

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