HEVC/H.265 11/2019 version

Replace 9.3.1

The storage process for context variables is applied as follows:

* + When ending the parsing of the CTU syntax in clause 7.3.8.2, entropy\_coding\_sync\_enabled\_flag is equal to 1 and either CtbAddrInRs % PicWidthInCtbsY is equal to 1 or both CtbAddrInRs is greater than 1 and TileId[ CtbAddrInTs ] is not equal to TileId[ CtbAddrRsToTs[ CtbAddrInRs − 2 ] ], the storage process for context variables, Rice parameter initialization states, and palette predictor variables as specified in clause 9.3.2.4 is invoked with TableStateIdxWpp, TableMpsValWpp, TableStatCoeffWpp when persistent\_rice\_adaptation\_enabled\_flag is equal to 1, and PredictorPaletteSizeWpp and PredictorPaletteEntriesWpp when palette\_mode\_enabled\_flag is equal to 1 as outputs.
  + When ending the parsing of the general slice segment data syntax in clause 7.3.8.1, dependent\_slice\_segments\_enabled\_flag is equal to 1 and end\_of\_slice\_segment\_flag is equal to 1, the storage process for context variables, Rice parameter initialization states, and palette predictor variables as specified in clause 9.3.2.4 is invoked with TableStateIdxDs, TableMpsValDs, TableStatCoeffDs when persistent\_rice\_adaptation\_enabled\_flag is equal to 1, and PredictorPaletteSizeDs and PredictorPaletteEntriesDs when palette\_mode\_enabled\_flag is equal to 1 as outputs.

With

The storage process for context variables, Rice parameter initialization states, and palette predictor variables are ~~is~~ applied as follows:

* + When ending the parsing of the CTU syntax in clause 7.3.8.2, entropy\_coding\_sync\_enabled\_flag is equal to 1 and either CtbAddrInRs % PicWidthInCtbsY is equal to 1 or both CtbAddrInRs is greater than 1 and TileId[ CtbAddrInTs ] is not equal to TileId[ CtbAddrRsToTs[ CtbAddrInRs − 2 ] ], the storage process for context variables, Rice parameter initialization states, and palette predictor variables as specified in clause 9.3.2.4 is invoked with TableStateIdxWpp~~,~~ and TableMpsValWpp, TableStatCoeffWpp when persistent\_rice\_adaptation\_enabled\_flag is equal to 1, and PredictorPaletteSizeWpp and PredictorPaletteEntriesWpp when palette\_mode\_enabled\_flag is equal to 1 as outputs.
  + When ending the parsing of the general slice segment data syntax in clause 7.3.8.1, dependent\_slice\_segments\_enabled\_flag is equal to 1 and end\_of\_slice\_segment\_flag is equal to 1, the storage process for context variables, Rice parameter initialization states, and palette predictor variables as specified in clause 9.3.2.4 is invoked with TableStateIdxDs~~,~~ and TableMpsValDs, TableStatCoeffDs when persistent\_rice\_adaptation\_enabled\_flag is equal to 1, and PredictorPaletteSizeDs and PredictorPaletteEntriesDs when palette\_mode\_enabled\_flag is equal to 1 as outputs.

Replace 9.3.2.4

Outputs of this process are:

– The variables tableStateSync and tableMPSSync containing the values of the variables pStateIdx and valMps used in the initialization process of context variables and Rice parameter initialization states that are assigned to all syntax elements in clauses 7.3.8.1 through 7.3.8.12, except end\_of\_slice\_segment\_flag, end\_of\_subset\_one\_bit and pcm\_flag.

– The variables tableStatCoeffSync containing the values of the variables StatCoeff[ k ] used in the initialization process of context variables and Rice parameter initialization states.

– The variables PredictorPaletteSizeSync and tablePredictorPaletteEntriesSync containing the values used in the initialization process of palette predictor variables.

For each context variable, the corresponding entries pStateIdx and valMps of tables tableStateSync and tableMPSSync are initialized to the corresponding pStateIdx and valMps.

With

Outputs of this process are:

– The variables ~~tableStateSync and tableMPSSync~~ TableStateIdxWpp and TableMpsValWpp containing the values of the variables pStateIdx and valMps used in the initialization process of context variables and Rice parameter initialization states that are assigned to all syntax elements in clauses 7.3.8.1 through 7.3.8.12, except end\_of\_slice\_segment\_flag, end\_of\_subset\_one\_bit and pcm\_flag.

– The variables ~~tableStatCoeffSync~~ TableStatCoeffWpp containing the values of the variables StatCoeff[ k ] used in the initialization process of context variables and Rice parameter initialization states.

– The variables ~~PredictorPaletteSizeSync and tablePredictorPaletteEntriesSync~~ PredictorPaletteSizeWpp and PredictorPaletteEntriesWpp containing the values used in the initialization process of palette predictor variables.

For each context variable, the corresponding entries pStateIdx and valMps of tables ~~tableStateSync and tableMPSSync~~ TableStateIdxWpp and TableMpsValWpp are initialized to the corresponding pStateIdx and valMps.

Replace 9.3.2.5

Inputs to this process are:

– The variables tableStateSync and tableMPSSync containing the values of the variables pStateIdx and valMps used in the storage process of context variables that are assigned to all syntax elements in clauses 7.3.8.1 through 7.3.8.12, except end\_of\_slice\_segment\_flag, end\_of\_subset\_one\_bit and pcm\_flag.

– The variable tableStatCoeffSync containing the values of the variables StatCoeff[ k ] used in the storage process of context variables and Rice parameter initialization states.

– The variables PredictorPaletteSizeSync and tablePredictorPaletteEntriesSync containing the values used in the storage process of palette predictor variables.

Outputs of this process are:

– The initialized CABAC context variables indexed by ctxTable and ctxIdx.

– The initialized Rice parameter initialization states StatCoeff indexed by k.

– The palette predictor variables, PredictorPaletteSize and PredictorPaletteEntries.

For each context variable, the corresponding context variables pStateIdx and valMps are initialized to the corresponding entries pStateIdx and valMps of tables tableStateSync and tableMPSSync.

With

Inputs to this process are:

– The variables ~~tableStateSync and tableMPSSync~~ TableStateIdxWpp and TableMpsValWpp containing the values of the variables pStateIdx and valMps used in the storage process of context variables that are assigned to all syntax elements in clauses 7.3.8.1 through 7.3.8.12, except end\_of\_slice\_segment\_flag, end\_of\_subset\_one\_bit and pcm\_flag.

– The variable ~~tableStatCoeffSync~~ TableStatCoeffWpp containing the values of the variables StatCoeff[ k ] used in the storage process of context variables and Rice parameter initialization states.

– The variables ~~PredictorPaletteSizeSync and tablePredictorPaletteEntriesSync~~ PredictorPaletteSizeWpp and PredictorPaletteEntriesWpp containing the values used in the storage process of palette predictor variables.

Outputs of this process are:

– The initialized CABAC context variables indexed by ctxTable and ctxIdx.

– The initialized Rice parameter initialization states StatCoeff indexed by k.

– The palette predictor variables, PredictorPaletteSize and PredictorPaletteEntries.

For each context variable, the corresponding context variables pStateIdx and valMps are initialized to the corresponding entries pStateIdx and valMps of tables ~~tableStateSync and tableMPSSync~~ TableStateIdxWpp and TableMpsValWpp.