#### Derivation process for motion vector components and reference indices

##### General

…

NOTE – If use\_integer\_mv\_flag is equal to 0, the resulting values of mvLX[ 0 ] and mvLX[ 1 ] as specified above will always be in the range of −215 to 215 − 1, inclusive. Otherwise (use\_integer\_mv\_flag is equal to 1), the resulting values of mvLX[ 0 ] and mvLX[ 1 ] as specified above will always be in the range of −213 to 213 − 1, inclusive.

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**8.5.3.2.8 Derivation process for temporal luma motion vector prediction**

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2. When availableFlagLXCol is equal to 0, the central collocated motion vector is derived as follows:

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* The derivation process for collocated motion vectors as specified in subclause 8.5.3.2.9 is invoked with currPb, colPb, ( xColPb, yColPb ), and refIdxLX as inputs, and the output is assigned to mvLXCol and availableFlagLXCol.

3. When use\_integer\_mv\_flag is equal to 1, mvLXCol is derived as mvLXCol = mvLXCol >> 2.

…

**8.5.3.2.9 Derivation process for collocated motion vectors**

The arrays predFlagL0Col[ x ][ y ], mvL0Col[ x ][ y ], and refIdxL0Col[ x ][ y ] are set equal to PredFlagL0[ x ][ y ], MvL0[ x ][ y ], and RefIdxL0[ x ][ y ], respectively, of the collocated picture specified by ColPic, and the arrays predFlagL1Col[ x ][ y ], mvL1Col[ x ][ y ], and refIdxL1Col[ x ][ y ] are set equal to PredFlagL1[ x ][ y ], MvL1[ x ][ y ], and RefIdxL1[ x ][ y ], respectively, of the collocated picture specified by ColPic.

When use\_integer\_mv\_flag of the collocated picture specified by ColPic is equal to 1, MvL0[ x ][ y ] and MvL1[ x ][ y ] are direved as MvL0[ x ][ y ] = MvL0[ x ][ y ] >> 2, MvL1[ x ][ y ] = MvL1[ x ][ y ] >> 2.

…