The variable anyIvRefPicFlag specifies whether one or more prediction units of the current coding unit utilize an inter-view reference picture. The variable anyIvRefPicFlag is derived as initially set equal to 0. When PredMode[ x0 ][ y0 ] is not equal to MODE\_INTRA the following applies for X being replaced by 0 and 1, and Y being equal to 1−X.

* ~~If DepthFlag is equal to 0, the following applies:~~ 
  1. anyIvRefPicFlag = anyIvRefPicFlag ||  
     (inter\_pred\_idc[ x0 ][ y0 ] ! = Pred\_LY && refViewIdxLX[ x0 ][ y0 ] ! = ViewIdx)  | |   
     (inter\_pred\_idc[ x0 ][ y1 ] ! = Pred\_LY && refViewIdxLX[ x0 ][ y1 ] ! = ViewIdx)  | |   
     (inter\_pred\_idc[ x1 ][ y0 ] ! = Pred\_LY && refViewIdxLX[ x1 ][ y0 ] ! = ViewIdx)  | |    
     (inter\_pred\_idc[ x1 ][ y1 ] ! = Pred\_LY && refViewIdxLX[ x1 ][ y1 ] ! = ViewIdx)   (‑)

1. ~~Otherwise ( DepthFlag is not equal to 0 ), the following applies:~~

~~for ( m = 0; m < nCbs; m += ( 1 << Log2MinTrafoSize ) )   
 for ( n = 0; n < nCbs; n += ( 1 << Log2MinTrafoSize ) )   
 anyIvRefPicFlag = anyIvRefPicFlag | |    
 (inter\_pred\_idc[ x0 + m ][ y0+n ] ! = Pred\_LY && refViewIdxLX[ x0+ m ][ y0+ n ] ! = ViewIdx)~~

The following part is the corresponding software:

//This modification is not needed after integrating JCT3V-C0137

Bool TComDataCU::isICFlagRequired(UInt uiAbsPartIdx, UInt uiDepth)

{

UInt uiPartAddr;

UInt iNumbPart;

~~if(!getSlice()->getIsDepth())~~

~~{~~

Int iWidth, iHeight;

iNumbPart = ( getPartitionSize(uiAbsPartIdx) == SIZE\_2Nx2N ? 1 : (getPartitionSize(uiAbsPartIdx) == SIZE\_NxN ? 4 : 2) );

for(UInt i = 0; i < iNumbPart; i++)

{

getPartIndexAndSize(i, uiPartAddr, iWidth, iHeight, uiAbsPartIdx, true);

uiPartAddr += uiAbsPartIdx;

for(UInt uiRefIdx = 0; uiRefIdx < 2; uiRefIdx++)

{

RefPicList eRefList = uiRefIdx ? REF\_PIC\_LIST\_1 : REF\_PIC\_LIST\_0;

Int iBestRefIdx = getCUMvField(eRefList)->getRefIdx(uiPartAddr);

if((getInterDir(uiPartAddr) & (uiRefIdx+1)) && iBestRefIdx >= 0 && getSlice()->getViewId() != getSlice()->getRefViewId(eRefList, iBestRefIdx))

{

return true;

}

}

}

}

~~else~~

~~{~~

~~iNumbPart = getPic()->getNumPartInCU() >> (uiDepth << 1);~~

~~for(UInt i = 0; i < iNumbPart; i++)~~

~~{~~

~~uiPartAddr = uiAbsPartIdx + i;~~

~~for(UInt uiRefIdx = 0; uiRefIdx < 2; uiRefIdx++)~~

~~{~~

~~RefPicList eRefList = uiRefIdx ? REF\_PIC\_LIST\_1 : REF\_PIC\_LIST\_0;~~

~~Int iBestRefIdx = getCUMvField(eRefList)->getRefIdx(uiPartAddr);~~

~~if((getInterDir(uiPartAddr) & (uiRefIdx+1)) && iBestRefIdx >= 0 && getSlice()->getViewId() != getSlice()->getRefViewId(eRefList, iBestRefIdx))~~

~~{~~

~~return true;~~

~~}~~

~~}~~

~~}~~

~~}~~

~~return false;~~

~~}~~