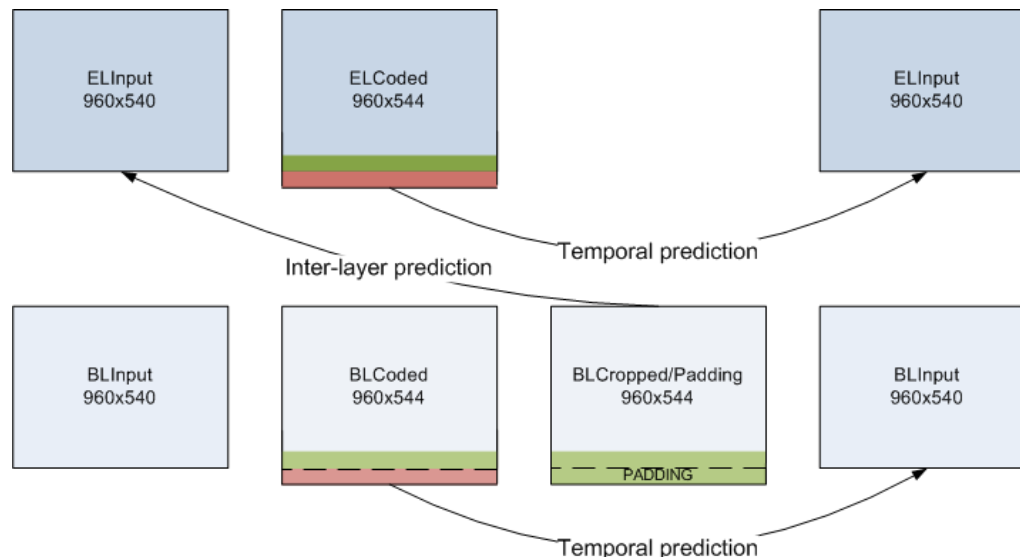# JCTVC-M0180
ON BASE LAYER VIDEO OUTPUT IN SHVC

Y. He, J. Dong, Y. He, Y. Ye

InterDigital Communications Inc.

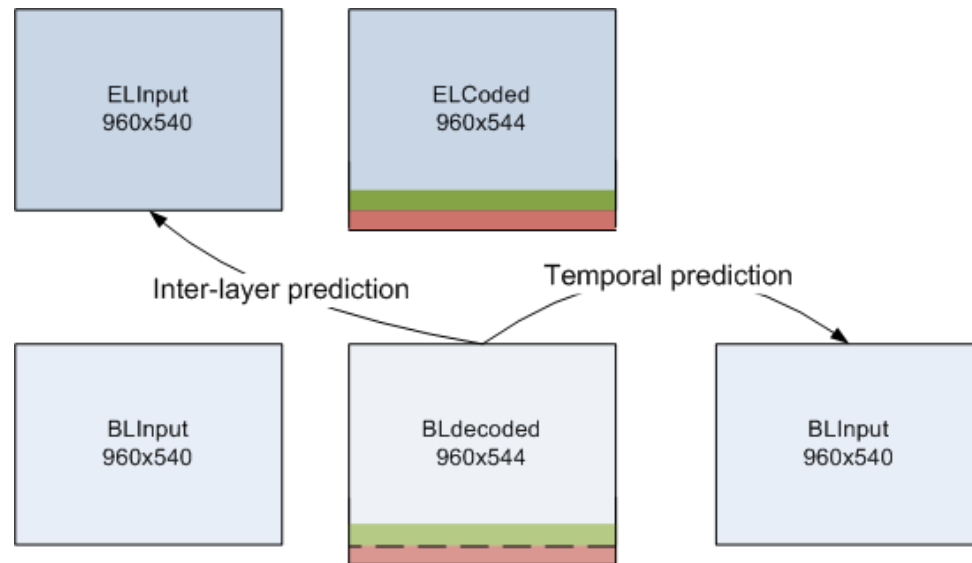13th JCT-VC meeting, April 2013

Base Layer Video output

- Cropped BL video output is currently used in SHM for EL prediction
  - Legacy BL decoder outputs cropped video
  - Separate codec design, EL codec cannot access BL syntax and decoded picture
  - Increase codec complexity and memory access

INTERDIGITAL.

Base Layer Video output

- More efficient to use coded base layer video for HEVC base layer cases
  - Current SHM supports using compressed motion field
  - Reasonable to assume that HEVC base layer codec can allow access to base layer coded picture
  - Simplify the decoding operation and reduce memory access

INTERDIGITAL.

Conclusion

- Recommend to use coded base layer video for inter-layer prediction for HEVC base layer applications

INTERDIGITAL.