

AHG22: High-level signaling of lossless coding mode in HEVC

JCTVC-G092

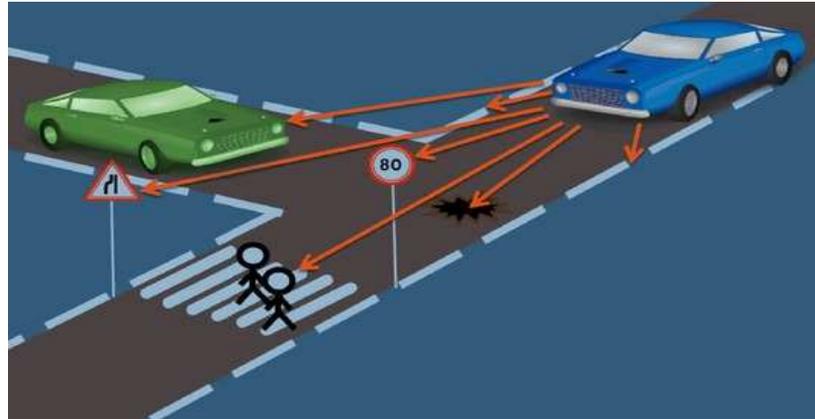
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Use cases for lossless coding

1. Automotive vision

- Entire sequence may be encoded with lossless mode before delivering to centre processors for video analytics

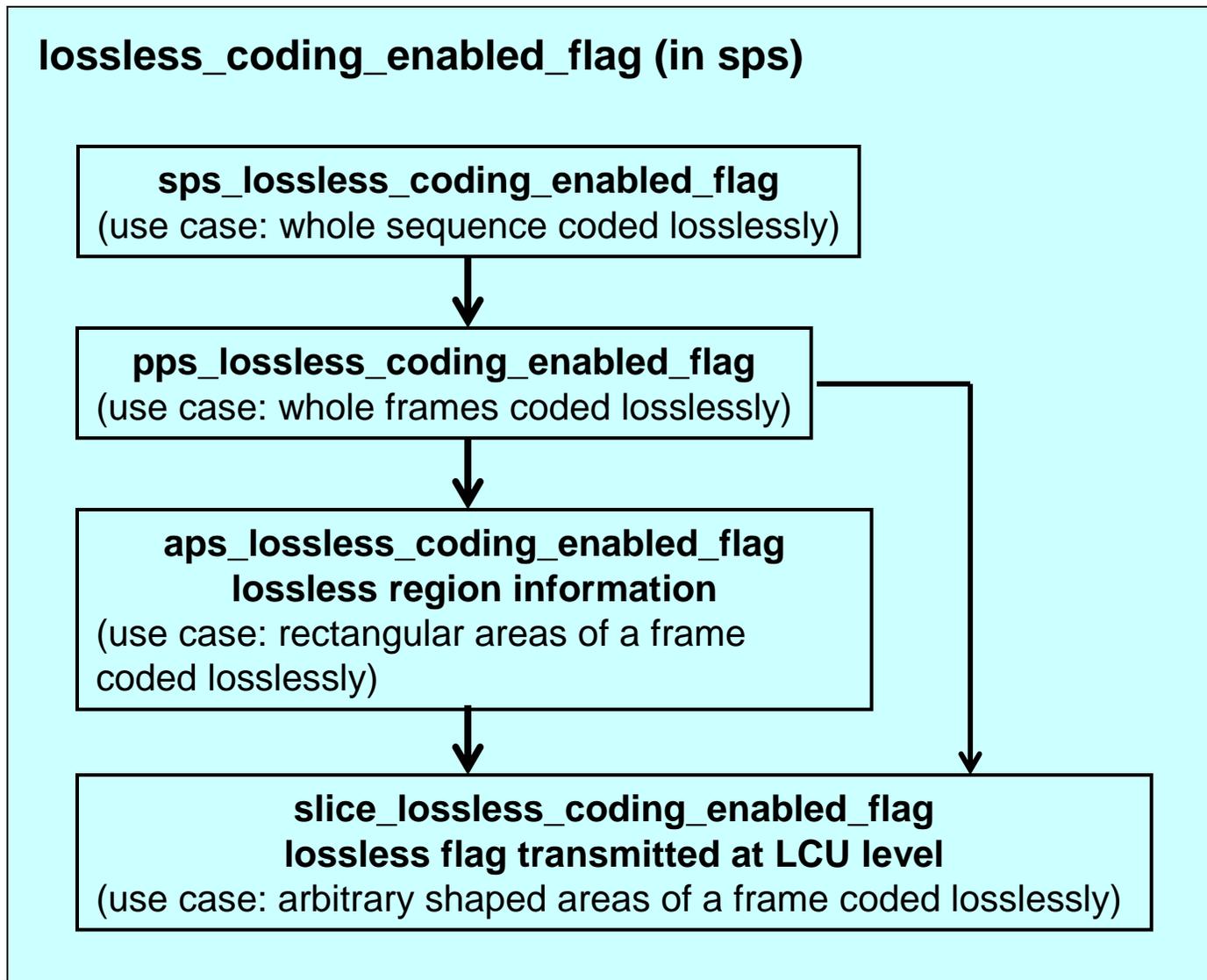


2. Video conferencing and long-distance education

- Entire picture or parts of picture might be encoded with lossless mode to preserve transparent quality of presentation materials

3. Wireless projectors

Diagram of lossless signaling method



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Conclusions

1. Efficient lossless coding is required for real-world applications such as automotive vision, video conferencing and long-distance education
2. The proposed signaling method has addressed needs of those use cases
3. Recommend further study on the lossless coding signaling methods in CE or AHG