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Evaluation of High Efficiency Video Coding (HEVC)
for 3GPP services
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Contents

Foreword

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1 Scope

The present document reports the evaluation of the High Efficiency Video Coding (HEVC) codec in 3GPP services. It provides an overview of the codec and a comparison to H.264 (AVC) codec. The support of H.264 (AVC) is mandated for 3GP-DASH (TS 26.247[18]), PSS (TS 26.234 [19]), MBMS (TS 26.346 [20]), 3GPP file format (TS 26.244 [21]), MTSI (TS 26.114 [22]) and MMS (TS 26.140 [23]) in Release 11. The present document reports on the performance of H.265 (HEVC) when used in 3GPP services for video coding in comparison to H.264 (AVC) and the performance of H.265 (HEVC) when used in 3GPP services for image coding in comparison to JPEG. Performance is evaluated in typical 3GPP service environments taking into account bandwidth and coding efficiency, user experience and complexity. Based on the performance results, recommendations are provided for the proper inclusion of H.265 (HEVC) in 3GPP services.

2 References

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