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| **Joint Collaborative Team on Video Coding (JCT-VC)**  **of ITU-T SG16 WP3 and ISO/IEC JTC1/SC29/WG11**  6th Meeting: Torino, 14-22 July, 2011 | Document: JCTVC-F635 |

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| *Title:* | **Cross check report for JCTVC-F407 on CAVLC run-mode coding from Yonsei Univ. and Samsung** | | |
| *Status:* | Input Document to JCT-VC | | |
| *Purpose:* | Information | | |
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# Abstract

This document contains cross check results for Yonsei University and Samsung’s proposal on run mode coding (JCTVC-F407). The BD-rate results match, encoding and decoding results are similar.

# Objective Cross Check Results

Table 1 shows the BD-rate results and execution times for the two configurations compared to the HM3.0 anchor. The BD-rate results match those reported by the proponent in JCTVC-F407.

The encoding and decoding are performed on clusters with the same CPU types. Both the encoding time and the decoding times are similar to those reported in JCTVC- F407.

Table BD-rate results and execution timings

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | All Intra LC | | | Random Access LC | | | Low delay B LC | | |
|  | Y | U | V | Y | U | V | Y | U | V |
| Class A | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 | 0.1 |  |  |  |
| Class B | 0.0 | -0.4 | -0.3 | -0.2 | 0.1 | 0.0 | -0.1 | 1.1 | 0.7 |
| Class C | 0.0 | -0.4 | -0.4 | -0.2 | -0.2 | -0.2 | 0.1 | 0.6 | 0.4 |
| Class D | 0.0 | -0.4 | -0.4 | -0.3 | -0.4 | -0.2 | 0.0 | 0.4 | 0.4 |
| Class E | 0.0 | 0.1 | 0.1 |  |  |  | 0.3 | 1.6 | -0.3 |
| **Overall** | **0.0** | **-0.3** | **-0.3** | **-0.2** | **-0.1** | **-0.1** | **0.0** | **0.9** | **0.4** |
| Enc Time[%] | 100% | | | 100% | | | 99% | | |
| Dec Time[%] | 97% | | | 99% | | | 101% | | |

# Conclusion

The BD-rate results and execution times match those reported in JCTVC-F407.