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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-F739 |

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| *Title:* | **Cross Check of Sharp’s JCTVC-F593 on CABAC Context Initialization** | | |
| *Status:* | Input Document to JCT-VC | | |
| *Purpose:* | Information | | |
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| *Source:* | Qualcomm Inc. | | |

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# Abstract

This document describes cross check results for JCTVC-F593 on CABAC initialization for forward predicted B slices with P-slice tables instead of B-slice tables. The BD-rate results match the proponent’s results.

# Cross Check Results

JCTVC-593 proposes CABAC initialization for forward predicted B-slices with P-slice tables instead of B-slice tables. An algorithm is added to detect forward predicted B slices.

Test description:

* Anchor: HM-3.1 with 1500 byte slices
* Test: HM-3.1 with 1500 byte slices using P-slice context initialization for forward predicted B slices
* Conditions: Low delay (B) HE

Table 1 enumerates BD-rates, which match those reported in JCTVC-593.

Table LD-HE BD-rate results

|  |  |  |  |
| --- | --- | --- | --- |
|  | Low delay (B) HE | | |
|  | Y | U | V |
| Class A |  |  |  |
| Class B | -0.2 | -2.0 | -1.8 |
| Class C | -0.2 | -1.5 | -1.6 |
| Class D | -0.3 | -1.8 | -1.3 |
| Class E | -0.2 | -1.9 | -1.5 |
| **Overall** | **-0.2** | **-1.8** | **-1.5** |

# Conclusion

The BD-rate for the low delay (HE) test condition was cross checked and matches the results reported in JCTVC-593.