

From: Shinya Kadono <kadono@drl.mei.co.jp>
Sent: Saturday, September 28, 2002 4:51 AM
To: Yoshihiro Kikuchi; Byeong-Moon Jeon; jvt-experts
Cc: Alexis M. Tourapis
Subject: [jvt-experts] Re: Question about ABP in JM 4.2

Dear Byeong-Moon and experts,

As Kikuchi-san explained, "FORCED to assign 1 to fw_ref and 0"
is an encoder issue.

However, the current decoder accept other reference index in implicit ABP mode.

best regards,
Shinya Kadono

-----Original Message-----

From: Yoshihiro Kikuchi [mailto:yoshihiro.kikuchi@toshiba.co.jp]
Sent: Friday, September 27, 2002 10:25 AM
To: Byeong-Moon Jeon; jvt-experts
Cc: Alexis M. Tourapis
Subject: [jvt-experts] Re: Question about ABP in JM 4.2

> [2] When ref_idx_l0(fw_ref in JM4.2) and ref_idx_l1(bw_ref in JM4.2)
for bi-pred mode are searched in encoder side, the current implementation FORCED to assign 1 to fw_ref and 0 to
bw_ref for [1/2, 1/2] implicit weighting factors and to assign 0 to fw_ref and 1 to bw_ref for [2, -1] implicit weighting
factors. Here, fw_ref and bw_ref for ABP imply that two reference pictures are located earlier than the current picture. If
my understanding is correct, the implementation needs to be replenished.

>

This is just an encoder operation issue. I understand that there may be various operations for the encoder (because the
encoder operation is not normative), but in our experience, the operation as in JM4.2 is not bad way to handle the
implicit ABP mode where two weightings [1/2, 1/2] and [2, -1] are switched.

The use of the jvt-experts list is intended only for the video coding standardization work conducted by the Joint Video
Team (JVT) of ISO/IEC JTC1/SC29/WG11 (MPEG) and ITU-T SG16 Q.6 (VCEG).

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