

**From:** arjun <arj\_r@rediffmail.com>  
**Sent:** Friday, October 18, 2002 9:01 AM  
**To:** jvt-experts@mail.imtc.org  
**Subject:** [jvt-experts] Smallest submacroblock size w.r.t reference picture

Dear Experts,

The bitstream syntax of the FCD, section 7.3.5.2, function name

sub\_mb\_pred(mb\_type) , in the 2nd for loop we get information regarding

ref\_idx\_10 for every 8x8 sub macroblock which signifies the reference picture for every 8x8 sub macroblock. This indicates that the smallest block size that can use a different reference picture is an 8x8 sub macroblock.

But when the deblocking is performed as shown in fig 8.14, in the 3rd check we have \*Block p and q have different reference frames or a different number of reference frames ?\*. In the above check mentioned what does \*a different number of reference frames\* signify.

the question here is , can ref\_idx\_10 hold different reference frame indices for the same 8x8 sub macroblock.

Plz clarify. Thanks.

Rgds,

arjun

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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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