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Sent: Friday, August 16, 2002 11:20 PM
To: JVT experts
Cc: Iole Moccagatta
Subject: [jvt-experts] Direct mode, MB and sub-MB types in B slices

Dear Experts,

Here are some questions on direct mode and on MB and sub-MB types in B slices.

Clause 10.2, 4th sentence of the 1st paragraph says "The direct mode can result in prediction modes list 0, list 1, or bi-predictive". However, when I read the temporal technique of obtaining the direct motion vectors (Clause 10.3.3.2), my understanding is that only the bi-predictive prediction mode is supported (and yes, I understand that if spatial technique is used, then all 3 prediction modes are supported).

Also, same clause, the 3rd sentence of the 2nd paragraph ("Additionally, for each luma block ...") seems misleading when compared with Table 7-13 and 7-17. According to these two tables not all the combinations of blocks (16x16, 8x16, 16x8) and sub-blocks with prediction modes list0, list1, bi-predictive, direct, and intra are supported. For example, direct mode is supported only in 16x16 and 8x8.

BTW, the last entry of tables 7-16 and 7-17 should be Intra_4x4 (it is currently Intra_8x8).

Let me know if my understanding is correct.

Best,

Iole

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= "Spatium...ultima confinia.... Haec sunt itinera astranavis      =
= Incepti. Huic missio quinque annorum: explorare mundos alienos novos, =
= petere vitam novam novosque cultus, ire fortiter quo nemo iverit    =
= ante."                                     =
=                                     =
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