From: Adrian Wise <awise@siroyan.com>
Sent: Monday, September 16, 2002 5:54 PM
To: jvt-experts@mail.imtc.org
Subject: [jvt-experts] Intra prediction and MB fld/frame adaptive

When using macroblock field/frame adaptive coding, the intra prediction is quite clearly specified for the field decoding case (in 8.3.7 Decoding process for macroblock level frame/field adaptive coding).

For the frame case, it is not completely clear (to
me) whether the pels on the right of the lower of the macroblocks in the pair are used to predict the
4x4 block at the bottom left of the upper macroblock of the subsequent pair. In this case pels M, N, O and P are "available".

However section 8.5.1 says that "Any sample ... shall not be considered available ..."

"if they belong to a macroblock that is subsequent to the current macroblock in raster scan order."

a strict reading of which would seem to suggest that these pels should be treated as not available. However, in this case the whole decoding process is proceeding by raster scan order of the macroblock-pairs (as opposed to individual macroblocks) which might suggest that these pels should be considered available.

Any thoughts?

Adrian

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Nokia Exhibit 2189
Amazon.com, Inc., et al. v. Nokia Technologies OY
IPR2024-00572, U.S. Patent No. 7,724,818
Page 1 of 1