

From: Gary Sullivan <garysull@microsoft.com>
Sent: Friday, September 13, 2002 6:58 PM
To: Shun-ichi Sekiguchi; Luthra Ajay-MGI1164
Cc: Anthony Joch; Stephan Wenger; Jvt-Experts \\\(E-mail\\)
Subject: [jvt-experts] Re: Special Position Test conditions

+> 2) If we need to provide objective results(i.e., BD-values using 4
+> Qp points), which QPs should be used?

I think when it comes to the reduced-memory-access motion compensation experiments (like limits on number of MVs and spread-out of MVs), the smaller QPs should be used.

(For "funny position" tests, I don't think we expect any significant objective performance impact and I don't care which range is used.

For uniformity in this AHG, I suggest using the smaller ones.)

Some of these conditions we've been discussing do deviate from prior-established "common conditions". However, I think this may be a good thing in this case. We expect these reduced-memory access motion compensation methods to have more of an impact with fine motion detail and with small QP, so it is good that we focus our evaluation of them in that area.

Best Regards,

Gary S.

+> -----Original Message-----

+> From: Shun-ichi Sekiguchi [mailto:koufum@isl.melco.co.jp]

+> Sent: Friday, September 13, 2002 12:01 AM

+> To: Luthra Ajay-MGI1164

+> Cc: 'Anthony Joch'; 'Stephan Wenger'; 'Jvt-Experts \\\(E-mail\\)'

+> Subject: [jvt-experts] Re: Special Position Test conditions

+>

+>

+> Dear Ajay, experts,

+>

+> Two clarifications on "Special Position" test condition.

+>

+> 1) I would suggest to remove News@CIF sequence. I don't see any

+> reason to add News@CIF sequence from the discussions so far.

+> News@QCIF has been common test sequence and should be tested.

+> Then, foreman/silent/news/container for QCIF, paris/tempete/mobile

+> for CIF.

+>

+> 2) If we need to provide objective results(i.e., BD-values using 4

+> Qp points), which QPs should be used?

+>

+> Best regards,

+> Shun-ichi Sekiguchi

+>
 +> Luthra Ajay-MGI1164 <aluthra@motorola.com> wrote:
 +>
 +> > OK. I have changed that and the new test conditions are
 +> attached. The changes are: Foreman, Container, Silence and News are
 +> to be coded in QCIF; and News, Paris, Mobil and Tempete to be coded
 +> in CIF.
 +> >
 +> > Please see updated test conditions in the attached file.
 +> >
 +> > Ajay
 +> >
 +> >
 +> > -----Original Message-----
 +> > From: Anthony Joch [mailto:anthony@ubvideo.com]
 +> > Sent: Thursday, September 12, 2002 10:09 AM
 +> > To: 'Stephan Wenger'; 'Luthra Ajay-MGI1164'
 +> > Cc: 'Jvt-Experts \ (E-mail\)'
 +> > Subject: RE: [jvt-experts] Re: Special Position Test conditions
 +> >
 +> >
 +> > Ajay, Stephan,
 +> >
 +> > I agree with Stephan's comments about the QCIF
 +> sequences, and add that
 +> > Silent should also be coded in QCIF format for the
 +> common conditions.
 +> >
 +> > Regards,
 +> > Anthony
 +> >
 +> >
 +> > -----Original Message-----
 +> > From: Stephan Wenger [mailto:stewe@cs.tu-berlin.de]
 +> > Sent: September 12, 2002 9:48 AM
 +> > To: Luthra Ajay-MGI1164
 +> > Cc: Jvt-Experts (E-mail); 'Minhua Zhou';
 +> 'eric.viscito@conexant.com'
 +> > Subject: [jvt-experts] Re: Special Position Test conditions
 +> >
 +> >
 +> > Hi Ajay,
 +> >
 +> > if you want to follow the logic of the VCEG common conditions
 +> > (which are, I believe, still in force), the sequences Foreman,
 +> > Container, and News have to be coded in QCIF format, not in CIF.
 +> > As mentioned
 +> before in the QP
 +> > discussion, a tool that evaluates the performance of a
 +> > de-blocking filter should best be evaluated with present and
 +> > visible blocking artifacts. In small picture sizes, blocking
 +> > artifacts are more visible

+> than in large
 +>>> ones. Hence, I would suggest to keep the QCIF sequences
 +> (additional
 +>>> material in bigger formats such as CIF is always welcome).
 +>>> Using QCIF,
 +>>> obviously, also cuts down on simulation time.
 +>>>
 +>>> Thanks,
 +>>> Stephan
 +>>>
 +>>>
 +>>> At 08:31 AM 9/12/2002 -0700, Luthra Ajay-MGI1164 wrote:
 +>>>> Dear JVT experts,
 +>>>> The attached test conditions for the Special Position related
 +>>>> experiments have been out for a while and I have not
 +> seen any new
 +>>>> comments. So, I am attaching them here again. I have made
 +>>>> one change -
 +>>>> replaced JM3.9 with JM4.0d. This is the last call for
 +> the comments /
 +>>>> objections / opinions. Thanks.
 +>>>>
 +>>>> I haven't gotten any reply back in response to my request
 +>>> for the names
 +>>>> of people from Tandberg, TI and Conexant who will be
 +> responsible for
 +>>>> doing the experiments. I have assumed that Minhua will do
 +>>> the experiments
 +>>>> for TI and Eric will do it for Conexant. * Minhua and Eric
 +>>> please confirm
 +>>>> ASAP *. Will someone from Tandberg respond and provide me
 +>>> with a name?
 +>>> Thanks.
 +>>>>
 +>>>> With regards,
 +>>>>
 +>>>> Ajay
 +>>>>
 +>>>> <<Special Position_v2.doc>>
 +>>>>
 +>>>> ---
 +>>>> 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).
 +>>>>
 +>>>> You are currently subscribed to jvt-experts as:
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 +>>>

+> > >
+> > > ---
+> > > The use of the jvt-experts list is intended only for the
+> video coding
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+>
+> ---
+> The use of the jvt-experts list is intended only for the video coding
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