

**From:** Barry Haskell <bhaskell@apple.com>  
**Sent:** Friday, November 8, 2002 6:13 PM  
**To:** Frank Bossen  
**Cc:** jvt-experts@mail.imtc.org  
**Subject:** [jvt-experts] Re: section 8.4.2.3

Frank Bossen wrote:

> I'm struggling with the 4th example in section 8.4.2.3.

You're right, it's broken.

>  
> In this case, mode 1 can be set up with  
> num\_ref\_frames\_in\_pic\_order\_cnt\_cycle = 4,

It should be 5 (poc cycle starts with first non IDR ref frame and includes the next I frame.

>  
> Furthermore shouldn't the offsets be {6,6,6,6,6}?

right again!!

>  
> Alternatively why not just set the cycle to length 1 and have a single  
> offset {6}?

This works too, but only for constant frame rates.

Is the example (6,6,6,6,6) still useful for illustration?

Or should we change the frame rate in the middle of the poc cycle to make  
it more interesting?

>

> Also shouldn't offset\_for\_top\_to\_bottom\_field not be 1 (instead of 0) in  
> this example?

Right again!!!! (give this man some free sushi)

>  
> PS: what if someone sets num\_ref\_frames\_in\_pic\_order\_cnt\_cycle equal to 0?

I guess we should allow this. Change Eq. 8-5 to read..

```
if(num_ref_frames_in_pic_order_cnt_cycle>0){  
    AbsFrameNum = FrameNumOffset + frame_num  
}  
  
else{  
  
AbsFrameNum=0  
}
```

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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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