**VQEG meeting minutes**

**Santa Clara, Thursday, February 26, 2015**

Thanks to Mikolaj of AGH

The first session (morning):

## IRG-AVQA

Remote participants:

* Silvio Borer
* Vittorio Baroncini

Chulhee Lee presented:

Recent progress in each SG (more details in IRG-AVQA document):

### SG9

### SG12 (presented by Silvio Borer)

### WP6C

Information on WP6C contributions (more details in IRG-AVQA document)

Discussion on ways to overcome disagreement among parties caused by Deutsche Telecom and Opticom

Questions from Marcus Barkowsky and Naeem Ramzanon the scope of Ultra HD studies

Question from Ioannis Katsavounidis on the inclusion of compressed bitstreams

Question from Margaret Pinson on the relationship between SG9 Recommendations and the work being done by WP6C

Remark from Arthur Webster on Recommendation BT.2020 (with respect to color space converting)

Question from Florence Agboma on the expected time schedule

### Q2&Q12 Rapporteur Group Meeting:

Presentation of Chulhee Lee on: „J.op\_tr" (more details in J.op\_tr presentation)

“VQEG\_UltraHD\_2015\_034\_VQM\_HEVC\_SG9\_WorkItems\_Chulhee\_Lee.ppt”

Question from Lucjan Janowski on the contents of the Recommendation with respect to ways to characterize content

Question from Quan Huynh-Thu on the source of the contribution

Question from Florence Agboma on the output of the Recommendation and duration of clips

Question from Kjell Brunnström on the codex to be considered

Question from Florence Agboma and Naeem Ramzan on bandwidths and devices

Remark from Marcus Barkowsky on the similarity to the classical rate-distortion problem

Remark from Ioannis Katsavounidis on the industrial applicability

Remark from Mikołaj Leszczuk on similarities to JEG-Hybrid work

Remark from Ioannis Katsavounidis on changing the resolution

Presentation of Chulhee Lee on: „J.src\_vq" (more details in J.src\_vq presentation)

## Ultra HD

Presentation of Chulhee Lee on: "Objective Video Quality Models for HEVC” (more details in Objective Video Quality Models for HEVC presentation):

“VQEG\_UltraHD\_2015\_034\_VQM\_HEVC\_SG9\_WorkItems\_Chulhee\_Lee.ppt”

Remarks from Quan Huynh-Thu, Ioannis Katsavounidis, Lucjan Janowski and Marcus Barkowsky on the scope of the work

Remark from Kjell Brunnström on the way the test shall be performed

Chulhee Lee presenting relationships to BT.2020

Further discussions with various VQEG participants, no actual decisions taken

## The second session (before lunch) - HDR:

Remote participants:

* Patrick Le Callet
* Manish Narwaria

Presentation of Patrick Le Callet on progress on HDR (more details in HDR presentation)

Question from Margaret Pinson on the codec complexity

Questions from Quan Huynh-Thu on the way points have been computed and on the source sequences

Question from Marcus Barkowsky on the display size

The third session (after lunch) - 3DTV:

## 3DTV DVB:

Decisions have been recorded in the Test-Plan Document, aided by Marcus Barkowsky and Margaret Pinson.

Agreed on the phrase: „VQEG recommends immediately moving forward with 2 parts (which effectively includes part 1), because this allows more robust data analysis and also answers all four DVB questions with a reasonable effort”

Agreed on finalizing the final test plan and send it to DVB

Further changes reflected in the document edited by Marcus Barkowsky

## 3DTV

### Standardization on P.3D-disp-req:

Standardization contribution presented and discussed by Margaret Pinson

Agreed to remove a paragraph on „3D perception..."

Agreed to accept changes into paragraph on „Impact of overall illumination..."

Agreed to approve the current version and send it around for comments

Output: “VQEG\_3DTV\_2015\_016\_Draft ITU Rec P.3D-disp-req Rev2.doc”

### Standardization on P.3D-sam:

Standardization contribution presented and discussed by Marcus Barkowsky

Changes sent by Pierre Lebreton discussed

Added warning proposed by Mikołaj Leszczuk: „The experimenter should be aware that individual subjects tend to overuse the “the same” choice, leading to contamination of results. Consequently, special care must be taken."

Further changes reflected in the document

Discussion with Ludovic Malfait took place concerning subjective assessment methodologies

No further comments have been received from the audience

Output: “VQEG\_3DTV\_2015\_029\_Draft ITU Rec J.3D-sam Rev 2.docx”

The fourth session (afternoon):

### Standardization on P.3D-fatigue:

Standardization contribution presented and discussed by Margaret Pinson

Changes reflected in the document

Output: “VQEG\_3DTV\_2015\_030\_Draft ITU Rec P.3D-fatigue Rev 2.doc”

## ULTRA-HD:

Presentation of Naeem Ramsan on: „Quality Evaluation of Different Coding Standards for Full HF and Ultra HD..." (more details in presentation)

Questions from Florence Agboma on the SRC and HRC

Question from Margaret Pinson on the subjects

Presentation of Marcus Barkowsky on: „Comparing upscaling algorithms..." (more details in presentation)

Questions from Lucjan Janowski, Florence Agboma and Naeem Ramsan