Minutes of the Seoul, Korea VQEG Meeting

Summary
The meeting was hosted by CITY (Center for Information Technology of Yonsei University) and held on the campus of Yonsei University.

The meeting was chaired by Arthur Webster (NTIA, USA) and began on Monday 18 October with brief reports from the various Ad-Hoc and sub groups in VQEG:

>   Independent Lab Group – Phil Corriveau (INTEL, USA) by phone.
>   RRNR-TV- Alex Bourret (BT, U.K.)
>   Multimedia Ad Hoc Group Kjell Brunnstrom (Acreo, Sweden)
>   HDTV- Margaret Pinson (NTIA, USA)
>   Model Combination and Tools – Margaret Pinson (NTIA, USA)
>   MMPretest Coordinator – Arthur Webster (NTIA, USA)
>   Subjective Labs Setup Group – (No report available)
>   POC for Source and HRC Sequence collection – Chulhee Lee (Yonsei, Korea)

RRNR-TV session was chaired by Alex Bourret (BT, UK) and followed the Ad Hoc Group reports.

Although the test plan is complete, a problem has arisen with the lack of secret source material in 625 for the RRNR-TV test. This is delaying the progress of the test.

HDTV discussions followed the RRNR-TV session

Steve Wolf and Vittorio Baroncini are co-chairs of this Ad-Hoc Group but were not present. Vivaik Balasubrawmanian (INTEL, USA) volunteered to be editor of the test plan. This effort is in the initial stages.

The VQEG Ad-Hoc Group on Multimedia & Joint Rapporteurs' Group on Multimedia Quality Assessment between ITU-T SG 9 and SG 12 (JRG-MMQA) Meetings began on Tuesday and continued through Friday afternoon. These sessions were co-chaired by David Hands (BT, UK) and Kjell Brunnstrom (Acreo, Sweden).

The bulk of this meeting was spent on the presentation of preliminary test results and on editing the Multimedia test plan. Representatives from ITU-T SG9 and SG12 and ITU-R WP6Q were present.

Results of the preliminary test were presented by NTIA, NTT, BT, Yonsei, and SwissQual. The preliminary tests uncovered a number of problems associated with test sequence processing, AVI file players, monitor selection, and other subjective test set up issues. Further testing will be done and discussions will take place on the MMTEST reflector and the MM Forum.

The MM test plan was significantly advanced.

See below for detailed minutes of Monday's sessions.
See file
ftp://ftp.its.bldrdoc.gov/ituvidq/Seoul_VQEG_Oct04/Minutes_VQEG_MM_Seoul_O

ct04.doc for detailed minutes of the MM/JRG-MMQA sessions Tuesday, Wednesday, Thursday, and Friday.

See file:
ftp://ftp.its.bldrdoc.gov/ituvidq/Seoul_VQEG_Oct04/Participants_Seoul_Oct04.doc

Detailed Minutes for Monday's Meetings

Reports from working groups

1. ILG (Philip C)
   - for RRNR sufficient 525 material (including secret sequences)
   - but issue with 625 material (VB may provide secret new material, but none offered yet)
   - Require 3-5 minutes of new [secret] 625 material

Discussions with owners of FR Phase II material ongoing to ensure all interested parties can have access to the video (existing agreement ends 31 Dec 2004).

Still require software for checking spatial rescaling of sequences
   - software available from NTIA
   - but sw has some limitations

Test labs
   - CRC
   - FT
   - FUB
   - Verizon (does not have SSCQE apparatus, but CRC/FT will loan necessary apparatus)

Schedule – must be revised (at least 2 month delay is needed, could be more if problem with material continues).

PB – TDF have prepared and sent new HRC to FUB. PC – no record of this. Need to confirm.
Similarly, CL prepared new 625 material and await advice from ILG on who to send this material to.

Nortel will provide new 525 HRC material that extends error characteristics to include ???

2. RRNR-TV (Alex B)
   - testplan has been approved
   - main issue remains 625 test material
   - main task is to review schedule

3. HDTV

MP provided S Wolf's report on HDTV test
- test material is currently main issue
- KB has provided HDTV material from Swedish TV and this is on NTIA's file store
- Logitech provided some advertisement material
- NTIA have performed HDTV subjective test
- Results expected to be made available at next meeting
- PC may be able to provide new HDTV material on D5 format (MP and PC to discuss offline)
- AW mentioned an Australian source may provide HDTV material (CL will discuss this with the Australian contact at the next ITU-R 6Q meeting)

4. Collaboration and Tools Group

MP provided S Wolf's report
- tools currently being evaluated for use by VQEG
- need to discuss placing tools on a VQEG website (sw available from NTIA, FT, Swissqual, NTT)
- registration measurement, spatial scaling tools, e2e RR measurement tool available 2005
- Opticom offered MM sw (Linux) that could be placed on the VQEG server

5. MM Pre-test
AW reported on pre-test work
- a number of docs have been placed on forum
- several tests have been performed and results to be presented at this meeting

6. Subjective labs set-up group
No report from this group.

7. POC for source and HRC sequence collection
CL contacted 2 Korean broadcasters and has received about 3 hours digibeta material (also available as VQEG PII yuv file format). Material only available for VQEG tests and not open source. Legal document needs to be signed to obtain access to this material.

RRNR-TV

- number of network error HRCs
- ILG problems (especially secret test material)
- Review testplan
- Test schedule

1. Network Loss
- Nortel keen to see more HRCs with network loss
- Current testplan states for 525 and for 625 (is there 625 line network loss HRCs available? FUB preparing/have some HRCs?) there will be two transmission error HRCs
- Nortel would like to see this increased to 4 transmission error HRCs
- CL argued that the nature of transmission error is clearly defined so that these types of error do not come as a surprise to proponent models
- Nortel would be prepared to generate these new HRCs
- Fastweb could create the 625 HRCs (if not, Nortel may be able to provide 625 HRCs)
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- Nortel asked if they could specify nature of errors
- Say types of error are those associated with packet loss
- Decision on adding new HRCs to be made Monday afternoon

- vote on whether to increase number of transmission errors:
- no decision
- MP proposed modified text:
- 'min of 2 transmission error HRCs and max of 25% of processed video clips'
- in favour = 6
- against = 0

Nortel will provide samples + descriptions of their processed sequences (provided by 1 Nov 2004); they propose to use the ISO reference decoder and remove effects of loss concealment techniques.

2. Review of Testplan

Very bottom p.18 – new text from MP approved
Top p.23 (Section 5.1.1) - new text from MP approved
Bottom p.23 (Section 5.1.3) - new text from MP approved
Bottom p.23 (Section 5.1.4) - new text from MP approved

3. Schedule

Following changes agreed:

a) submission of new HRCs by proponents – changed from July 14 to Nov 18
b) submission of exe model – changed to Jan 18
['b' means that all associated items on the schedule changed by 2 months]

[see revised testplan for full details of changes to schedule]
CL may provide registration measurement sw.

PB asked for clarification testplan:
- on p.18 tolerances: is 1 line related to field or frame
MP said it was per frame

PB asked how material will be delivered – MP said files will be delivered as 1 minute segments rather than as a single 60 minute file

AW – when and how should we return to the test schedule?
- need advice from ILG
- AB will arrange an audiocall to finalise the schedule

HDTV Test

PC will provide HDTV material that NTIA will place on ftp site.

AW asked if anyone has HDTV material
OS will discuss with colleagues possibility of providing material.
CL will investigate obtaining HDTV material.

Vivaik agreed to become editor of HDTV testplan.

MP to contact PC to discuss getting HDTV material.