

DRAFT MEETING RECORD  
Audio Video Techniques Committee G-2.1  
G-2.1.4 Video Distribution Measurements Subcommittee  
IEEE Broadcast Technology Society

Sheraton Orlando North Hotel  
Orlando, Florida  
January 20, 1997

1. The meeting was called to order at 1:50 PM and adjourned at 5:00 PM. David Fibush was appointed secretary for the meeting.
2. The attached agenda was approved with the following changes. Agenda Item 7 was amended to include a discussion of balloting procedures. Item 11a was added to discuss the EBU serial digital measurement document.
3. An overview of the previous meeting was presented in conjunction with a review of the draft meeting record, G-2.1.4/96-14. No changes to the draft meeting record were required.
4. Alan Godber gave a report on balloting and parent committee activities. Only full members of the subcommittee may vote and this list has been maintained by the chairperson. IEEE would like all members to also be IEEE members or the chairperson must write a justification for each non-IEEE member. In addition to the society dues, a prospective member must have a sponsor. Chairpersons must be IEEE members. At least 50% of the subcommittee must be IEEE members. Subcommittee membership must be approved by the Standards Board prior to balloting a document. It was discussed that such a rule does not correspond with requirements for due process. The present G-2.1.4 membership list was reviewed to help the chairman determine status of those on the list and it was agreed that the chairman will contact those who have not actually participated to determine their desire to continue to be members.

Vice-chairs and permanent secretaries are desired to help keep the work moving forward. Presently documents are not published at any stage in the approval cycle. It was suggested they follow the same procedure as SMPTE, publish for comment in the society journal after Board approval. Documents on terms and definitions are being reviewed by G-2.1.1 and they will draft a document on terminology for DTV. A subcommittee on monitor setup and measurements is being organized.

Doug Lung presented "Suggestions and Recommendations for Internet and Email Use for Committee Work" G-2.1.4/97-15. Due to the many email packages it is recommended that carriage returns be inserted every 64 characters, either manually or automatically by the sender. Attachments should be Microsoft Word format. Adobe Acrobat is also useful. There is concern about conversion to/from WordPerfect and various versions of Word. Again the differences in email programs would encourage the use of uuencode or mime for the attachment. Having the files available on a web server or ftp site is a good solution. An email exploder is also useful. The IEEE may be able to supply these services.

5. Revision of IEEE Std-205-1958 — The latest draft, G-2.1.4/97-16, was distributed and a request made for comments from the subcommittee members. The chairman will determine what formatting changes are needed and see that it is distributed and/or made available electronically. It will also be sent to other societies for liaison (including SMPTE S17). At the next meeting we expect to approve the document for ballot.

6. A Tektronix contribution on wander, G-2.1.4/97-17, "Recommended Video Wander Measurement Method" by Dan Baker was distributed. The proposed SMPTE Working on Jitter and Wander in Packetized Television Systems plans to determine the expected magnitude of the uncorrected problem and suggest appropriate values for corrected receiver output for studio operation. This may, or may not, be the same values as used for reference signals and presented in Dan Baker's paper. Internal Tektronix coordination between Dan Baker in the television test area and Dan Wolaver in the transmission test area is requested. Liaison with ANSI X1 is also requested. The committee approved the chairman's suggestion that an IEEE project authorization request (PAR) be started. A query will be made to SMPTE regarding IEEE starting work on a measurement document based on the Tektronix contribution. It should be reasonable for the two groups to work in parallel. Also we need to make sure the proposed IEEE document and the present SMPTE documents on jitter are complementary. Eventual transfer of the SMPTE jitter documents to IEEE responsibility was discussed but is not being considered at this time.
7. Copies were made available of several other IEEE standards for this subcommittee to consider for revision: 206 on differential phase and gain, 511 on linear waveform distortions, 746 on performance of A/D and D/A converters, and 618 on flat field signal-to-noise ratio. Members are requested to review these documents and provide the chairman with suggestions for updating. There is previous unfinished work on revision of Std. 618 which should be supplied to the subcommittee.
8. An EBU document "Measurements on Interfaces for Digital Component Video Signals in 625-line Television Systems at 4:2:2 Level (270 Mb/s)", G-2.1.4/97-18 was distributed. Dave Fibush will contact the EBU to determine the final document status and possibly obtain a later version. The chairman requested that members review the document to determine what subjects might be appropriate as projects for this subcommittee. The EBU document is good background material but does not present the methods in at a level of detail expected for IEEE documents.
9. There was no new business.
10. The next meeting will be in Boulder on either May 5 PM or May 6 AM depending on G-1.2.6 and T1A1.5 plans.

#### **Document List (numbered)**

G-2.1.4/96-14 - September 30<sup>th</sup> Meeting Record

G-2.1.4/97-15 - Suggestions and Recommendations for Internet and Email Use for Committee Work

G-2.1.4/97-16 - Draft Revision of IEEE Std-205-1958

G-2.1.4/97-17 - Recommended Video Wander Measurement Method

G-2.1.4/97-18 - Measurements on Interfaces for Digital Component Video Signals in 625-line Television Systems at 4:2:2 Level (270 Mb/s)

#### **Document List (not numbered)**

Agenda for January 20<sup>th</sup> meeting

List of participants from previous meetings