

Jodi Haasz

12/13/2004 09:56 AM

To: agodber@earthlink.net
cc: rick.redford@juno.com, hayes@iptv.org
Subject: Approval of Extension Request for P206

13 December 2004

Alan Godber
Consultant
PO Box 310
4 Fern Place
Milltown, NJ 08850

Re: P206 - Standard on Measurement of Differential Gain and Differential Phase

Dear Alan:

I am pleased to report that on 08 December 2004 the IEEE-SA Standards Board approved the extension request of the above-referenced project until 31 December 2006. Please note that the IEEE-SA Standards Board New Standards Committee was concerned about the limited number of members in the working group and the resources available to complete the project.

If you should have any further questions, please contact me at 732-562-6367 or by email at j.haasz@ieee.org.

Sincerely,

Jodi Haasz
Program Manager
International Stds Programs and Governance
Standards Activities
Phone +1 732 562 6367
FAX +1 732 875 0695
Email: j.haasz@ieee.org

cc: rick.redford@juno.com

IEEE-SA Standards Board Extension Request

Revised 23 June 2004

1. Date of Request: 18-Oct-04
2. Assigned Project Number: P206
3. Project Title: Standard on Measurement of Differential Gain and Differential Phase
 - a. Name of Working Group (WG): G2.1.4 Video Distribution Measurements Subcommittee
 - b. Name of Working Group Chair: Rick Redford
 - c. Name of Sponsoring Society and Committee: BT - Audio/Video Techn. Committee, G-2.1
 - d. Name of Sponsoring Committee Chair: Alan S. Godber
4. Contact Information (Contact should be the person who will answer any questions concerning this extension request):
 - a. Name: William T. Hayes
 - b. Telephone: 515-242-3116
 - c. FAX: 515-242-3109
 - d. EMAIL: wt_hayes@ieee.org
5. Statement of why an extension is required. This should include a description of what the working group has accomplished and what remains to be accomplished, along with the reasons why the work was unable to be completed in the allotted timeframe This project is in the process of reviewing and up-dating the current scope of applications of the IEEE Std. 206 1960/1978. The primary application (scope) of the current Standard is intended to be in the field routine operational and maintenance tests of pure composite analog systems only, where rapid interpretation and communication of test results is necessary or desirable. The basic techniques described in the current standard are also applicable to laboratory measurements, proof-of-performance tests, and detailed maintenance procedures. The scope of the proposed project includes these measurements but will be revised to widened the scope to include hybrid systems (combining analog and digital signal processing) where the current scope does not apply. During the period of time that the existing PAR has been in place, numerous and rapid changes in the ways which video signals are distributed throughout facilities have been implemented. There are now fewer places in the content chain to break the signal and make these measurements. The committee has spent considerable time observing construction and implementation of all digital signal paths in an effort to determine the most appropriate locations for measurement performance in both laboratory and field applications. These areas are still to some degree analog/digital hybrids, but are moving rapidly towards digital only operations. In that event, the measurement of differential gain and phase is still critical but becomes a more difficult and complex task since the technique will require the transparent conversion of the digital content to analog to perform the measurement. The committee must work not only on the standard for the measurement but also the procedure for decoding to insure that the measurement is meaningful.
6. History
 - a. What date was the PAR first approved? 8-Nov-00

- b. What date did you begin writing the first draft? 1-Feb-01
c. How many people are actively working on the project? 4
d. How many times a year does the working group meet:
1. In person? 2
2. Via teleconference? 2
e. How many times a year is a draft circulated to the working group via electronic means? 2

7. Document Progress

- a. What percentage of the Draft is stable? 75%
b. How many significant work revisions has the Draft been through? 2

8. Project Plan

(Item #8a is only for projects that have been balloted. If your draft has not yet gone to ballot, please go to Item #8b)

- a. Balloting History - Provide history of all IEEE Sponsor ballots under this project::

1st Ballot Close date (or scheduled close):

1st Ballot Draft Number:

1st Ballot results (% affirmative, %negative, %abstain):

2nd Ballot Close date (or scheduled close):

2nd Ballot Draft Number:

2nd Ballot results (% affirmative, %negative, %abstain):

(Add additional entries for ballots as needed):

When do you estimate that the final IEEE Sponsor ballot will be completed?

When do you expect to submit the proposed standard to RevCom?

- b. For projects that have not yet begun Sponsor ballot, please answer the following:**

When will IEEE sponsor balloting begin? 1-Dec-05

When do you estimate that the final IEEE Sponsor ballot will be completed? 1-Jun-06

When do you expect to submit the proposed standard to RevCom? 1-Sep-2006

9. Future Adoptions

- If this is a new document, will it be adopted (in part or in whole) by another national, regional or international organization? Choose One If yes, which organization?
- If this is a revision of an existing document, has this document been adopted by the IEC, ISO, ETSI, SCC, etc? Yes If yes, which organization? EBU

10. Additional Extensions

a. Is this the first request for an extension? Yes (If yes, please do not go any further. You have completed the form.)

b. If not, when was the previous extension approved?

After completion of this form, please e-mail this to the NesCom Administrator at

nescom-admin@ieee.org. Confirmation of submittal will be sent on receipt of this request.

IEEE-SA Standards Board Project Authorization Request (PAR) Form (2000-Rev 1)

Note: For use with help hyperlinks offline, download guide.html and par2000.html into the same directory. After completing this form, please e-mail it to the [NesCom Secretary](#).
[Instructions for Downloading the PAR Form](#)

**1. Sponsor Date
of Request**
[2000 08 03]

**2. Assigned Project
Number**
[P206]

**3. PAR Approval
Date**
8 November 2000

Copyright release must be submitted with [appropriate signatures](#) by FAX (1-732-562-1571)}

[X] PAR Signature Page on File {IEEE Staff to check box}

4. Project Title, Recorder and Working Group/Sponsor for this Project

Document type and title: {Place an X in only one option below}

- **Standard for** {document stressing the verb "shall" }
- **Recommended Practice for** {document stressing the verb "should" }
- **Guide for** {document in which good practices are suggested }

Title: [Standard on Measurement of Differential Gain and Differential Phase]

Name of Working Group (WG): [G2.1.4 Video Distribution Measurements Subcommittee]

Name of Official Reporter (usually the WG Chair) who must be an SA member as well as an IEEE/Affiliate Member: **[Rick Redford]**

IEEE-Standards Staff has verified that the Official Reporter (or Working Group Chair) is an IEEE and an IEEE-SA member: **[X]** (Staff to check box)

Contact Information:

Telephone **[917-441-0105]** FAX: **[212-456-4451]**

E-mail: **[rick.redford@juno.com]**

Name of Working Group Chair (if different than Reporter): **[Rick Redford]**

IEEE-Standards Staff has verified that the Working Group Chair is an IEEE and an IEEE-SA member: **[X]** (Staff to check box)

Contact Information:

Telephone **[917-441-0105]** FAX: **[212-456-4451]**

E-mail: **[rick.redford@juno.com]**

Name of Sponsoring Society and Committee: **[Audio/Video Techn. Committee, G-2.1]**

Name of Committee Sponsor Chair: **[Alan S. Godber]**

IEEE-Standards Staff has verified that the Sponsor is an IEEE and an IEEE-SA member: **[X]** (Staff to check box)

Contact Information:

Telephone **[732-846-4476]** FAX: **[732-846-4476]**

E-mail: **[agodber@idt.net]**

5. Type of Project

a. Is this an update to an existing PAR? [Yes/**NO**]

If YES, indicate PAR Number/Approval Date [P####-YEAR]

If YES, is this project in ballot now? [yes/no]

[Indicate changes/rationale for revised PAR in Item #16. This should be no more than 5 lines.]

b. Choose one from the following:

[...] New Standard

Revision of existing Standard {number and year} [IEEE Std. 206-1960/1978]

[...] Amendment (Supplement) to an existing standard {number and year} [...]

[...] Corrigenda to an existing standard {number and year} [...]

6. Life Cycle

Full Use (5-year life cycle)

[...] Trial Use (2-year life cycle)

7. Balloting Information

Choose one from the following:

[...] Individual Sponsor Balloting

[...] Entity Sponsor Balloting

Mixed Balloting (combination of Individual and Entity Sponsor Balloting)

Expected Date of Submission for Initial Sponsor Ballot: [March 2001]

8. Fill in Projected Completion Date for Submittal to RevCom [Sept., 2001]

9. Scope of Proposed Project:

[This project will review and up-date the current scope of applications of the IEEE Std. 206 1960/1978. The primary application (scope) of the current Standard is intended to be in the field routine operational and maintenance tests of pure composite analog systems only, where rapid interpretation and communication of test results is necessary or desirable. The basic techniques described in the current standard are also applicable to laboratory measurements, proof-of-performance tests, and detailed maintenance procedures. The scope of the proposed project includes these measurements but will be revised to widened the scope to include hybrid systems (combining analog and digital signal processing) where the current scope does not apply.]

10. Purpose of Proposed Project:

[The primary application of the current Standard is intended to be in the field routine operational and maintenance tests of pure composite analog systems only, where rapid interpretation and communication of test results is necessary or desirable. When measuring performance of hybrid systems (combining analog and digital signal processing), the method described in this document must not be used as significant errors are introduced in Differential Gain and Phase measurements.

IEEE STD 746-1984 Measurements of A/D and D/A Converters for PCM Television Video Circuits and international recommendation ITU-R BT.1204 also define methods to measure Differential Gain and Differential

Phase in hybrid digital/analog systems. The purpose of this project is to revise Std 206-1960/1978 to include specific Differential Gain and Phase measurement methods similar, if not identical, to those included in these standards.]

11. Intellectual Property {Answer each of the questions below}

Are you aware of any [patents](#) relevant to this project?

[No] {Yes, with detailed explanation below / No}

[...] {Explanation}

Are you aware of any [copyrights](#) relevant to this project?

[No] {Yes, with detailed explanation below / No}

[...] {Explanation}

Are you aware of any [trademarks](#) relevant to this project?

[No] {Yes, with detailed explanation below / No}

[...] {Explanation}

Are you aware of any [registration](#) of objects or numbers relevant to this project?

[No] {Yes, with detailed explanation below / No}

[...] {Explanation}

12. Are you aware of any other standards or projects with a [similar scope](#)?

[No] {Yes, with detailed explanation below / No}

[...] {Explanation}

13. [International](#) Harmonization

Is this standard planned for adoption by another international organization?

[Yes] {Yes/No/?? if you don't know at this time}

If Yes: Which International Organization [[EBU](#)]

If Yes: Include coordination in question 13 below

If No: Explanation [...]

14. Is this project intended to focus on [health, safety or environmental issues](#)?

[No] {Yes/No/?? if you don't know at this time}

If Yes: Explanation [...]

15. Proposed Coordination/Recommended Method of Coordination

[Mandatory Coordination](#)

SCC 10 (IEEE Dictionary)

by **DR** {Circulation of **DR**afts}

IEEE Staff Editorial Review by

by **DR**

SCC 14 (Quantities, Units and Letter symbols) by **DR**

Coordination requested by Sponsor:

[David Wood
of the EBU] by [DR] {circulation of **DR**afts/**LI**aison memb/**CO**mmon memb}
[.....] by [...] {circulation of **DR**afts/**LI**aison memb/**CO**mmon memb}
.]
[.....] by [...] {circulation of **DR**afts/**LI**aison memb/**CO**mmon memb}
.]
[.....] by [...] {circulation of **DR**afts/**LI**aison memb/**CO**mmon memb}
.]

Coordination Requested by Others:

[...] {added by staff}

16. Additional Explanation Notes: {Item Number and Explanation}

[...]{If necessary, these can be continued on additional pages }

The [PAR Copyright Release and Signature Page](#) must be submitted by FAX to 732-562-1571 before this PAR will be sent on for NesCom and Standards Board approval.

Jodi Haasz

11/09/00 08:35 AM

To: agodber@idt.net
cc: rick.redford@juno.com, michel.poulin@leitch.com
Subject: P206 and P746

9 November 2000

Alan Godber
PO Box 310
Milltown, NJ 08850

Re P206 Standard on Measurement of Differential Gain and Differential Phase
P746 Standard for Performance Measurements of A/D and D/A Converters for
PCM Television Video Circuits

Dear Mr. Godber:

I am pleased to inform you that on 8 November 2000 the IEEE-SA Standards Board approved the above referenced projects until December 2004. Copies of the files are attached in .pdf format.

Now that your projects have been approved, please forward a roster of participants involved in the development of these projects. This request is in accordance with the IEEE-SA Operations Manual, Clause 5.1.2f under *Duties of the Sponsor* which states:

"Submit annually to the IEEE Standards Department an electronic roster of individuals participating on standards projects"

Attached is an Excel spreadsheet for your convenience. Please forward these lists to me via e-mail at j.haasz@ieee.org no later than 1 February 2000.

At the bottom of this e-mail, please find URLs which you may find useful in the development of your proposed standard and in submitting your final draft for approval. Written responses from all committees/organizations listed on the PAR as proposed coordination must be included with the final draft when it is submitted.

If coordination is effected by common membership, i.e., a person on the standard's developing committee who is also a member of the committee/organization specified on the PAR for coordination, there must be a document included with the final draft from that coordinating body which states that person is authorized to represent it. We strongly recommend that a copy of your draft be sent to this office for review prior to the final voting by the working group to allow for a quick review by the editorial staff before sponsor balloting.

If you should have any further questions or would like to receive this information in paper, please contact me at 732-562-6367 or by email at j.haasz@ieee.org.

Sincerely,

Jodi Haasz
Administrator, Standards Board

PS - The information in the .pdf file is viewable in Adobe Reader, version 3.0 or higher. If you do not have this software, please go to <http://www.adobe.com/prodindex/acrobat/readstep.html#reader> to download the free version.

Standards Process-at-a-Glance

<http://standards.ieee.org/resources/glance.html> - A quick-reference site useful to any standards developer.

IEEE Standards Style Manual

<http://standards.ieee.org/guides/style/index.html> - Guidelines that establish style and format requirements for the preparation of proposed IEEE standards.

IEEE Standards Companion

<http://standards.ieee.org/guides/companion/index.html> - An overall view of the standards process; what to do, what to avoid, lessons learned, and sample forms.

Implement Plan for Metric Policy 9.20

<http://standards.ieee.org/announcements/metric.html> - Information on when, why and how the plan will be implemented and what exceptions exist.

Leading a Standards Development Group

<http://standards.ieee.org/faqs/ltpres.html#q1> - A free training session offered by staff to make the most of the standards process. After attending, you will have a great understanding of

- the need for due process and consensus
- how to submit PARs and Drafts
- the "legal" aspects (copyrights, trademarks, patents)
- how staff can help you

Standards Coordinating Committee 10

<http://standards.ieee.org/faqs/SCC10.html> - An explanation of the importance of coordinating with the IEEE Dictionary (SCC10) as is mandated on the PAR form.

Balloting Information

http://standards.ieee.org/resources/glance_at_balloting.html



Sample Roster.xls



206.pdf



746.pdf

Jodi Haasz

Administrator, Standards Board

Standards Activities

445 Hoes Lane

PO Box 1331

Piscataway, NJ 08855-1331, USA

Phone +1 732 562 6367

FAX +1 732 562 1571

Email: j.haasz@ieee.org