Draft Minutes

OP/TF 4 Adoption of ISO 10110 as an American National Standard
(Held in conjunction with SPIE Photonics West)

Sunday, January 22, 2012
14:00 - 17:00 PST

Intercontinental San Francisco
888 Howard Street, San Francisco, CA 94103
Twin Peaks Room (4th Floor)

1. Welcome and Introductions

D. Aikens opened the meeting at 14:04 EDT with introductions. In attendance were Dave Aikens, Gordon Boultbee, Allen Krisiloff, William Royall, Hal Johnson, Walt Czajkowski, Richard Youngworth, Marla Dowell, Doug Hoover, Ray Williamson, Sara Mines (observer), Piotr Szwaykowski, Steve Martinek, and Garth Eliason. On the phone was. D. Howland. A. Krisiloff agreed to keep notes for the meeting. Quorem was established.

2. Adoption of Agenda

W. Royall moved we adopt the agenda, and G. Boultbee seconded the motion, which carried.

3. Approval of the Minutes of the May, 2011 Meeting

R. Youngworth moved that the draft minutes be approved; W. Royall seconded the motion, which carried with 1 abstention.

4. Status of official standards actions (PINS, BSRs and OP1.0110-1)

D. Aikens reviewed the current status of all the standards, and presented the list of PINS filings per ANSI procedure, authorizing us to proceed with the development of the standards themselves. There are three steps in a standards development project; the PINS which initiates the project, the BSR8 which indicates completion of the development, and the BSR9 for final approval by ANSI. The PINS for 9211 parts 1-3 were filed under the document number OP1.9211-1 through -3. The documents are not yet converted into ANSI format. The PINS for OP1.0110 -14, -6 and -18 could not be filed yet because the published versions of the ISO standards do not yet exist. When they are published, the committee will need to decide at that time if we wish to adopt them as national standards. OP1.0110-8 PINS can be filed as soon as a draft forward exists. The BSR8 for OP1.0110-10 and the other standards cannot be filed until pricing has been established. Pricing will be discussed at the ASC/OP meeting, and approved by OEOSC.

D. Aikens also reviewed the status of the OP1.0110-1. There is now a final, corrected version of the standard which is approved by ANSI and can be sold.

5. OP Ballot status, BSR/OEOSC 1.0110 -10, -12, and -9

D. Aikens reviewed the ballot results for OP1.0110-10, -12, and -9.

D. Aikens explained that OP1.0110-10 has been approved by OP for submittal to ANSI. No comments have been received on OP1.0110-10, which passed with a 16/29 affirmative ballot and no opposition.

D. Aikens also went through the ballot results for OP1.0110-9. The standard has also been approved by OP for submittal to ANSI, with one editorial comment to correct the designation for the division of Northrop Grumman to be shown on the masthead. One technical comment regarding figure 4 was submitted. The comment was discussed, and found to be correct, but editorial for the purposes of the standard, since the figure is ambiguous. D. Aikens will add a new ANS note indicating that, in the case of multiple coatings on a single part, there is a potential for confusion, and that a note on the drawing indicating whether the coating applies to only a region or the entire surface.

OP1.0110-12 requires a few more ballots and will then be in the same state as -10 and -9. All three will be submitted to ANSI once pricing has been determined.

6. TF Ballot status,OP1.0110-11

D. Aikens reviewed the comments on -11, and reviewed the ballot results with the committee. D. Howland moved that the comment be resolved by adding a new heading on the second page of the table, and then circulating the standard at the OP level for adoption. R. Williamson seconded and the motion passed.

OP1.0110-11 is approved for ballot at the OP level.

7. Pricing Proposal for BSR-8

Since this item will be discussed at the ASC/OP level, it seemed there was no need to review it at the TF level. W. Royall moved that the item be removed from the agenda, and G. Boultbee seconded the motion, which carried. The agenda will be revised to rev3.

8. Status of OP1.0110-5 and -14

M. Dowell reported or her task to compare OP1.0110-5 with OP1.004 and ISO 14999 to determine if we could delete the reference to ISO 14999. She explained that the definitions in OP1.004 are very good, and that there are errors or omissions in ISO 14999; for example, PV, tilt, RMS deformation are all different. The problem is that if we change from ISO 14999 to OP1.004, then we may need a new notation, different from the standard notation, to distinguish the ISO 14999 references from the OP1.004 references. OP1.004 would need major surgery to add the needed definitions for OP1.0110-5. The other altnerative is to add the missing definitions to OP1.0110-5 directly, and not make any changes in OP1.004. A key point is that the OP1.004 definitions, which subtract tilt prior to calculation of the RMS, are more correct anyway.

M. Dowell agreed to work on adding definitions and make changes to the ISO 10110-5 text until the end of February. S. Martinek agreed to take the project on at that point.

Action: D. Aikens to send an editable version of -5 to Marla.
Action: M. Dowell to work on the OP1.0110-5 draft until end of February.
Action: S. Martinek to finish the draft for the next meeting.

9. Status of OP1.0110-8

D. Aikens reported that the ISO standard has been published, and can be released without changes. He will write a forward and create a draft for ballot at the TF level by the next meeting.

10. Status of OP1.0110-18

A. Krisiloff reviewed the events of the Okinawa meeting, and described the compromises that were made between the German draft and the American draft. The American draft was submitted to SC1/WG2 and SC3/WG1 in 2010, and was met with opposition from the German delegation. A key difference is that they prefer to use the standard for education and teaching, and would like to include more information on glass selection (one might say sales information). They offered a draft in mid-2011. The two drafts were compared at the Okinawa meeting, and most of the differences were reconciled, but we ran out of time before we could finish. There are still some significant differences that need to be resolved.

A key question for TF4 is that we need to decide if we want to release ISO 10110-2, -3, and -4, or if we revise OP3.001, or just wait until OP1.0110-18 is available. The consensus opinion of the committee is that we should stay the current course, which keeps OP3.001 as it is, and allows use of ISO 10110-2, -3, and -4, but not release new versions of any of these standards. We can always adopt -2, -3, and -4 later if the project is delayed beyond three years.

11. Status of 9211-1 through -3

D. Aikens reviewed the current revisions of OP1.9211-1, -2, and -3. OP.9211-1 and -2 are ready to go, with the reformatting still to be done. The only significant change is the replacement of tau with T and rho with R. OP1.9211-3 does not require any changes, if we are willing to live with the references to the ISO environmental standards. The consensus opinion was to leave it as is, and publish the standard.

12. Status of 9211-4

The current version of ISO 9211-4 was reviewed by G. Boultbee. The new revision has been approved in Okinawa, and the FDIS has been submitted. It will go directly to publication. G. Boultbee felt that it was a good standard as currently written.

Action: G. Boultbee to prepare the draft, and we will proceed with adoption.

13. Status of OP1.0110-6

R. Williamson reported that the addition of free form aspheres has extended the deliberations on the release of a revised standard. All American proposed changes have been accepted, but the standard is still significantly longer and more unwieldy than the current 1996 edition.

The new version does include a notation for total runout as well as beam deviation. Beam deviation is important to the user community for system assemblies. The current notation uses wedge tolerances for components in a system, but we would rather use beam deviation.

There was some discussion as to whether it was a good idea to adopt the new version with the more complicated notations for free form aspheres. The problem is that the old version, 1996, was not very good, and would require extensive changes. Those changes are now only recorded in a draft which was not published, so we cannot use them in our adoption of the standard. The only alternative to waiting for the new ISO standard is to write our own standard. This is a very big project, and we may not have the manpower to pull it off. Nevertheless, R. Williamson agreed to give it a try, and see what we can get done by the next meeting.

Action: R. Williamson to start a draft of an American version of ISO 10110-6:1996.

14. Action Items review

Action Items from last meeting

Action: D. Aikens to recreate the correct version of OP1.0110-1 based on the files we have, and post it on the website. - done
Action: D. Aikens will make OP1.0110-1 available via the ANSI online store. – not complete
Action: G. Boultbee to perform careful review of headings and notes in -10, as well as -9 and -11, and provide guidance to D. Aikens for correction prior to publication. –done; Dana and Dave did an exhaustive review.
Action: D. Aikens to file BSR-8 and BSR-9 for OP1.0110-10 with ANSI – waiting on pricing
Action: D. Aikens to circulate OP1.0110-9 for OP ballot - complete
Action: D. Aikens to circulate OP1.0110-12 for OP ballot - complete
Action: D. Aikens to complete drafts of OP1.9211-1 through -3 and circulate for TF ballot. – not complete
Action: D. Aikens to circulate OP1.0110-11 for TF ballot. - complete
Action: D. Aikens to follow up with M. Dowell to see if we can finish -5 and even -14 by Photonics West. - complete
Action: D. Aikens to get copy of WD ISO 10110-18 to everyone in the TF to review. – not complete

Action Items from this meeting

Action: D. Aikens to revise OP1.0110-9 to include a new note for figure 4 and re-circulate at OP level.
Action: D. Aikens to revise OP1.0110-11 to add table headings to the second page and circulate at OP level.
Action: D. Aikens to send an editable version of -5 to Marla.
Action: M. Dowell to work on the OP1.0110-5 draft until end of February.
Action: S. Martinek to finish the draft for the next meeting.
Action: G. Boultbee to prepare the draft, and we will proceed with adoption.
Action: R. Williamson to start a draft of an American version of ISO 10110-6:1996.

15. Time and Place of next TF 4 Meeting

M. Dowell moved that TF 4 meet for a two hour meeting in conjunction with OF&T in Monterey, CA, subject to the readiness of OP1.0110-5 draft. G. Eliason seconded and the motion carried.

16. Adjourn

H. Johnson moved to adjourn, seconded by G. Boultbee, which carried. The meeting adjourned at 16:01 PST.