

ASC OP – Committee for Optics and Electro-Optical Instruments
(Held in conjunction with SPIE Photonics West)
Monday, January 23, 2012, 08:30 – 12:30 PST

Intercontinental Hotel
888 Howard St.
San Francisco, CA 94103
Twin Peaks Room

Welcome and Introductions

H. Johnson opened the meeting at 08:37 PST with introductions. In attendance were A. Krisiloff (Triptar), H. Johnson (Harold Johnson Optical Laboratory), W. Czajkowski (APOMA), W. Royall (Rochester Precision Optics), G. Boulbee (JDSU), D. Aikens (Savvy Optics and OEOSC), D. Hoover (Reichert), Ron Scotti (SPIE), R. Williamson (R. Williamson consulting), and M. Dowell (NIST and IEEE). On the phone was D. Howland (Northrup Grumman).

Adoption of Agenda

W. Czajkowski moved that the draft agenda be adopted, as modified. G. Boulbee seconded, and the motion carried.

Approval of the May 9th, 2011 ASC OP Meeting Draft Minutes

W. Royall moved that the minutes to the previous meeting be accepted. W. Czajkowski seconded, and the motion carried.

Reports

TF 2 Surface Imperfections Specifications (G. Boulbee)

G. Boulbee reported on the status of TF2. He explained that the Army has adopted the SavvyInspectorTM for calibration of their comparison standards using a new SOP with scratch orientation vertical instead of horizontal. D. Hoover (representing Gage-Line) showed the committee some new comparison artifacts for OP1.002 dimensional method. A. Krisiloff has made great progress with a new draft of OP1.002 and is looking for feedback.

TF3 Wavefront Specifications (D. Aikens reporting for C. Evans)

Nothing to report, since there were no meetings of TF3 since the last ASC/OP meeting.

TF4 American blueprint OP1.0110 drawing standards

D. Aikens reported that we have made great progress on many of the standards. OP1.0110-1 is complete and ready for publication, as is OP1.0110-10. OP1.0110-9 needs one tweak and will then be finished, while -11 and -12 are almost done. Drafts exist of OP1.9211-1, -2, and -3. G. Boulbee will provide a draft for OP1.9211-4.

TF5 Aspheric notation

D. Aikens reported for R. Youngworth that the task force has formed up nicely, and is focusing its attention on the current round of ISO standards, such as ISO 10110-12 and ISO 10110-19.

One-Hour Short Overview

No progress was made on the one-hour short overview.

Other Business

Review of membership classes and fees

The committee briefly reviewed the membership for balance and for compliance to activity requirements.

There is a membership issue with Northrup Grumman. The current member is Laser Systems, but they have decided to no longer support the effort. Aerospace Systems continues to participate via D. Howland, but does not want to pay the \$1000

membership fee. Since Rolling Meadows was the original member of OEOSC, we will contact John Hamilton and see if he is interested in becoming active again, or at least paying the participation fee, so D. Howland can continue to represent NGC.

Applications for membership from Edmund Optics, Lattice Materials, OptiPro, LIGO, Mcubed, Nikon Research, Ophir and Reichert were reviewed and accepted. Rich Youngworth has moved from LightCapture to Riyo LLC, so LightCapture will be dropped and Riyo will be added. LIGO's fees will be waived for the first year, so that Patrick has more time to bring them into the fold. Photon, Inc will be dropped, since their members are now registered via Ophir. Krishna Gupta and James Harvey have left Zygo and CREOL, respectively, and will no longer be listed as observers. Optical Imaging Association will be added as an observer, but not a voting member.

D. Aikens moved that we send out a letter ballot approving these membership changes, since the committee did not have a voting quorum. A. Krisiloff seconded and the motion carried.

Action: D. Aikens to update the membership according to the approved spreadsheet on the website.

Action: D. Aikens to contact NGC to determine if they can continue participating.

Action: D. Aikens to make a card summarizing OEOSC's activities so that members can hand it out at conferences.

RESOLUTION 1 The following organizations will be added as members of ASC/OP: Edmund Optics, Lattice Materials, OptiPro, LIGO, Mcubed, Nikon Research, Ophir and Reichert. The following organizations will be dropped: Light Capture and Photon, Inc. The following organization will be added as an observer: Optical Imaging Association. Krishna Gupta and James Harvey will no longer be listed as observers.

Review and approval of resolutions of TF's

There were no resolutions to come before the committee.

Review and approval of TF committees and chairpersons

The current TF list was reviewed. The TF's shown in the following table were all acceptable to the committee and the chairmen were acceptable as well. G. Boulton moved that we circulate a letter ballot approving the current TF list and chairpersons, but that the chairpersons be solicited for updated scopes which can be discussed at the next meeting. W. Czajkowski seconded the motion, and it carried.

RESOLUTION 2 The following task forces and chairpersons are approved for continued operation in 2012. Updated scopes will be reviewed at the next meeting of ASC/OP.

Task Force	Title	Chairperson
TF 2	Optical Surface Imperfections	G. Boulton
TF 3	Wavefront Measurement	C. Evans
TF 4	Conversion of ISO 10110 into American National Standards	D. Aikens
TF 5	Aspheric Optics	R. Youngworth

Infrared Materials Standards Working Group

The committee reviewed the request by SPIE and Lockheed Martin Co, to create a new task force for infrared materials. The effort will begin with a kickoff at SPIE DSS in Baltimore in April, led by Gary Weise of LMCO. G. Weise cannot actually chair an OEOSC task force, since neither he nor his company have paid a participation fee. Nevertheless, this is a good opportunity to serve the community in a way that is quite current and important.

W. Royall moved that we support the effort by creating a TF6 for Infrared Materials with D. Aikens as the temporary chairperson via letter ballot. A. Krisiloff seconded the motion, and it carried. The TF will be organized under OP3, materials and coatings. D. Aikens will invite representatives from Schott, Lattice, and Clemson.

A. Krisiloff moved that we re-instate TF1 under OP3 as well, with H. Johnson as chairman, subject to letter ballot confirmation. W. Royall seconded and the motion passed enthusiastically.

RESOLUTION 3 A new task force, TF6 will be formed within OP3, to address standards activities for Infrared Materials. D. Aikens will serve as interim chairperson, until G. Weise is eligible to take over.

RESOLUTION 4 TF1, optical materials, will be reinstated with H. Johnson appointed as chairperson.

Break 10:00 – 10:15 PST

Review of Membership for Balance

D. Aikens observed that, when we reviewed membership for participation and fees, we had neglected to review the membership for balance. The chairman allowed us to return to item 5a) on the agenda to review the membership for balance.

D. Aikens presented the current membership in terms of balance. The Op membership breakdown by interest was not posted on the documents website, so it will need to be put up on the website after the meeting and circulated with the letter ballot approving resolutions. After modifying it based on the membership resolution above, there are 37 voting members of ASC/OP, of which 13 are producers, 9 are users, and the remainder are general interest. This breakdown is very good, given our historically limited number of users.

W. Royall moved we accept the membership as revised as acceptable, with no action required to improve balance. W. Czajkowski seconded the motion, which carried.

RESOLUTION 5 The membership as recorded at the Photonics West meeting and saved as “OP by interest group for balance” will be accepted for 2012, with no additional actions required to improve balance.

Review of ASC OP operating procedures

The committee reviewed the proposed new operating procedures, revised to accommodate the change in ANSI rules, as well as to better reflect the way we operate, and to streamline some of the website maintenance.

D. Aikens moved that a letter ballot be circulated to approve these new procedures. A. Krisiloff seconded, and the motion carried.

RESOLUTION 6 The new ASC/OP operating procedures documented in the file “Draft Rev 2 of ASC OP operating procedures” shall be adopted by ASC/OP for 2012, subject to the approval by ANSI.

Action: D. Aikens to send G. Weise a link to the membership page on the website, so LMCO can join ASC/OP and he can become chairman of TF6.

Report on MIL standards being withdrawn

W. Royall reported on the results of his survey of current or withdrawn MIL standards which are still used commonly in the optics industry, or for which there may be a need for a new, voluntary standard developed by ASC/OP. Surprisingly, it was found that most of the key standards have been reinstated or there was a suitable replacement, and only a few have not been addressed. The one notable exception is MIL-M-13508C, for first surface aluminized mirrors. MIL-STD-129, MIL-C-675C, MIL-STD-810G, and MIL-STD 1241A have all been maintained. One other, less important standard for cements and adhesives (MIL-A-3920) is inactive and should be considered.

There are a couple of materials standards which, if TF1 is going to be reinstated, we might consider. Both MIL-Q-47057 (optical grade fused quartz) and MIL-G-47034 (color filter glass) have been withdrawn.

ISO TC172/SC1 Mirror committee action review

Since the members of ASC/OP also serve as members of the SC1 mirror committee, the action items associated with the ISO standards activities was also reviewed. Two key elements needed review. The first is that G. Boulton has resigned as SC3/WG2 chairman. If we cannot find a new chairman, ANSI would need to give up the leadership of the working group. After much discussion, there were no members of ASC/OP who were present who could take on G. Boulton's responsibilities. The second is that we have been requested to host the next joint meeting of SC1 and SC3, to be held in October or November of 2013. M. Dowell said that NIST would be happy to host the meeting at Gaithersburg, and just did so for another of the TC172 subcommittees. D. Aikens moved that we offer to host the meeting at Gaithersburg, MD in October, 2013, subject to room availability. R. Scotti seconded, and the motion carried.

RESOLUTION 7 The United States shall host the next SC1/SC3 joint meeting at Gaithersburg, MD in October of 2013, subject to the necessary approvals by OSOEC and ANSI.

Action: D. Aikens to contact T. Turner of REO to see if he can take on the responsibility for SC3/WG2.

In the process of the action item review, we found that the OEOSC website has many errors associated with ASC/OP and SC1/SC3, and they should be corrected. For example, AFNOR is still listed as the convener for SC3, but it is now JISC, and the OP TF structure is completely wrong.

Action: D. Aikens to review the OP structure and the SC1/SC3 structures on the web, and correct them to be in-line with current operations.

Time and Place for Next OP Meeting

D. Aikens moved that we meet next in San Francisco in conjunction with Photonics West in January, 2013. M. Dowell seconded, and the motion carried.

Adjourn

Since there was no further business to come before the committee, A. Krisiloff moved that the meeting be adjourned. W. Royall seconded the motion, and it carried. The meeting was adjourned at 11:57 PST.

Action Item Summary for January 2012 meeting:

Action: D. Aikens to update the membership according to the approved spreadsheet on the website.

Action: D. Aikens to contact NGC to determine if they can continue participating.

Action: D. Aikens to make a card summarizing OEOSC's activities so that members can hand it out at conferences.

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Resolution summary for January 2012 meeting, all to be approved by letter ballot.

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