

Draft Minutes

ASC OP/TF 5- Committee for Optics and Electro-Optical Instruments - Aspheric Optics

April 17, 2014, 11:00-12:00 EDT (-4:00 GMT)

Held by teleconference

1. Welcome and Introductions

Rich Youngworth opened the meeting at 11:00 EDT with introductions. On the call were Ray Williamson, Robert Smythe, and Kate Medicus. The following joined the meeting in progress (times in EDT): Donna Howland (11:06) and Allen Krisiloff (11:30).

2. Adoption of Agenda, designate a note taker

K. Medicus motioned we adopt the agenda, and R. Smythe seconded the motion, which carried unanimously. Meeting documents were available online.

3. Review of 30Oct13 Minutes and TF5 Tracking Doc (Action Items)

The minutes from the previous meeting were discussed, as well as the action items list which mostly relate to OP1.006 on Asphere metrology. K. Medicus moved we accept the minutes from the previous meeting. R. Smythe seconded, and the motion carried unanimously.

4. Upcoming votes on International standards ISO10110-5 and 14999-4

R. Youngworth discussed the fact these two standards are pertinent to aspheres and requested the committee to review them carefully.

5. Discussion of International standard ISO10110-19

R. Youngworth discussed this upcoming important vote. He will correlate the current draft to previous comments in his own review. Moreover, R. Youngworth pointed out that we need solid actionable feedback on all votes, but especially on this one to be sure that we can positively influence and help the international team complete it. See the 30 October 2013 meeting minutes for more details pertaining to the Gaithersburg meeting.

6. Other standards up for vote comments (minimally OP1.0110-12)

We will have upcoming votes to release a complete US standard. Although OP1.0110-12 has a form of Forbes' Q-Type aspheres that matches the 2007 paper, later we may modify this standard to more closely match the ISO10110-12 version including the recent appendix. Getting the full ANSI standard released is paramount at this juncture.

7. OP1.006 Aspheric Metrology Draft Update

This material documents the rough discussion in the meeting along with background and additional information for the group. Last year a number of people raised questions about the scope. The concern is that the standard scope may be too broad and informative as currently being implemented. Where is the "standard" in the standard, per se. In a meeting between D. Aikens and R. Youngworth, D. Aikens said these metrology standards tend to come in two flavors:

- Metrology standards that give top level descriptions of how to make measurements
- Method standards that first define a parameter and then give ways to do it (or often multiple methods)

Due to the fact that the former tend to be technical report format, we will finish a rescope of OP1.006 to the latter. Informative material can be included appendices if warranted, and of course people can write up other materials for publication if wanted. So R. Youngworth will write a rescope document that will be vetted by R. Smythe, D. Aikens, K. Medicus, and C. Evans (if all are available). The rescope will then be allocated to a reconstituted team of volunteers to distribute the workload. This information will be communicated to the former team. In the end this approach likely has saved a lot of people's time as the plan for the current approach is what we would have ended up with after paring down a longer informative document. More notes from other calls:

- OP1.004 as an example of a way to do this type of standard (means to verify surface form - will reduce our content)
- OP1.005 for msf and ripple, detrending filtering etc. - filtering work by Takacs will also be taken into account

Also note that the fact we are working on this standard has been raised to the international community along with a solicitation for other delegations' input if there is interest in an international standard. Ultimately the US may drive an NWIP through to start an international project once we have a draft in place.

We want this drafted this year if possible and K. Medicus will lead after the initial scoping step. Monthly author meetings will be set up soon. Please see the action item list for further details.

Action Item: R. Youngworth to verify PINS requirements and deadlines with D. Aikens.

Action Item: See tracked list for more detailed action items set before the meeting.

8. Additional Items

No additional items were discussed.

9. Time and place for next meeting of TF5

R. Youngworth proposed the next meeting to be Tuesday, September 16, 2014 at 11:00 EDT. D. Howland moved to accept this proposed date and R. Williamson seconded the motion. The motion was ratified unanimously.

10. Adjourn

Kate moved we adjourn, Donna seconded, and the motion carried unanimously. The meeting adjourned at 11:35 EDT.