

Draft Meeting Minutes
ASC OP TF 1 – Optical Glass
Thursday, August 16, 2012 , 16:30 – 18:30 PDT

Santa Rosa Room
Marriott Marquis and Marina Hotel
331 W. Harbor Drive
San Diego, CA

1. Welcome and Introductions

Hal Johnson called the meeting to order at 16:47. In attendance were Dave Aikens, Bill Royall, Dan Palmiri, Adam Phenis, Gary Wiese, Ron Scotti, and Ray Williamson. Since we all had attended the previous meeting, we did not do introductions.

2. Approval of the agenda

Gary Wiese motioned to accept the agenda, the motion was seconded by Bill Royall and the motion passed. Since there had not been a meeting of the committee in 10 years, there were no minutes to review.

3. Name and Scope of the Committee

Hal proposed that the committee name be mirrored off of MIL-G-174B and OP3.001, and simply called “Optical Glass”. He further proposed that the scope of the committee be the same as the scope of our only glass standard, OP3.001, at least for now. There were no objections. Ron Scotti moved that we accept the name TF1- Optical Glass Standards, and the scope as “Establish uniform practices for stating and interpreting specifications, tolerances, and functional requirements for optical glass that is used to fabricate lenses and other optical elements such as prisms, windows, light pipes, etc, used in optical assemblies, systems, instruments, or other related uses”. Dan Palmiri seconded, and the motion carried.

4. Periodic Review of OP3.001

Dave Aikens explained that OP3.001 needed to be reviewed and reaffirmed or withdrawn every five years, and that the last reaffirmation was in 2008, so it is up for review in 2013. He asked if we should reaffirm it, when it doesn't seem to be in use. Gary Wiese said that Lockheed used OP3.001 for a while, but then stopped because it seemed that ISO 10110-1 to -3 was aimed at glass blanks and not glass batches, so it was more suitable for components. He also said that Schott uses the ISO, and wasn't sure if they would even quote to OP3.001. Dave discussed the history of OP3.001 and explained the scope differences between OP3.001, MIL-G-174B Optical Glass and ISO 12123 Raw Optical Glass, versus that of ISO 10110-1 -2 and -3 for material tolerances for drawings.

The committee felt that it was not really prepared to have a meaningful discussion of OP3.001 without first reviewing ISO 12123 and MIL-G-174B. The decision of what to do about OP3.001 was tabled until next meeting.

5. Review of MIL-Q-47057

6. Review of MIL-G-47034

7. Review of MIL-A-3920

The next three agenda items were taken at one time. Bill Royall reviewed the content and status of the three MIL standards; MIL-Q-47057 for specifying quartz has been inactivated without replacement. No one at the meeting knew of any other standard which might have replaced it; most people simply specify the manufacturer and brand name of fused silica. Dave Aikens took the action to contact Corning and Hereaus and see if there was a need for a fused silica standard.

MIL-G-47034 for specifying color filter glass has been replaced by AA 52407A, which is active. Like with the quartz standard, no one was aware of anyone using it or any other standard for color filter glass. Bill Royall took the action to contact Schott, and see if there was a need for a voluntary standard for color filter glass.

MIL-A-3920 has been absorbed into MIL-PRF-13830B, so it remains available and no action by this committee is needed at this time.

8. Other standards to be considered

The committee brainstormed for a while about other standards that may need to exist. Plastic or polymer optics, such as those used in molded optics or Fresnel lenses, was the only area that seems to require a standard, and for which there isn't one. Dave Aikens took the action to talk to Nelson Claytor of Fresnel Technologies, and Hal Johnson took the action to talk to Diverse Optics. Both will report back at the next meeting, and "Molded Optics" will be added to the agenda for next meeting.

9. Time and place for next meeting

Since this was the first meeting, and many people needed to be consulted to determine the best venue for further meetings, Ray Williamson moved that the next meeting be a conference call at a time and date to be named later by the chairman. Adem Phenis seconded the motion, and it carried.

10. Adjourn

Gary Wiese moved we adjourn, and Ron Scotti seconded. The motion carried, and the meeting adjourned at 18:01.