

Annual Report of an ANSI/OEOSC TAG to ISO TC172 Subcommittee Covering the Year 2013

TAG Subcommittee Number and Name: SC1 Fundamental Standards

TAG Subcommittee Leader: Dave Aikens

ISO Meetings Held During 2013

Subcommittee meetings usually include break-out meetings of working groups and project groups. List the top-level meeting; do not list the break-out meetings.

Subcommittee, Working, or Project Group Meeting Name	Date(s)	Location
TC172 SC1	9/23-9/26/13	Gaithersburg, MD, USA
SC1/WG3	9/25/13	Teleconference

ISO Meetings Scheduled for 2014

Subcommittee meetings usually include break-out meetings of working groups and project groups. List the top-level meeting; do not list the break-out meetings.

Subcommittee, Working, or Project Group Meeting Name	Date(s)	Location
TC172 SC1/WG3	3/11, 06:00 GMT	teleconference
TC172 SC1	9/22 – 9/24/14 tentative	Berlin tentative

Significant Accomplishments in 2013

ISO Subcommittee

The committee published one new technical report and five revised standards this year and published one Amendment to a standard. In addition we initiated seven new items, most in the 10110 series. We continued work on seven standards, most importantly revisions to Parts 5 and 6, and the addition of Part 19 to the ISO 10110

series, to accommodate tolerancing of optics without an axis of symmetry and generalized surface descriptions, for so-called freeform optics.

US TAG Subcommittee

The US TAG continues to strengthen, with our four regular attendees being joined by three experts who traditionally participate by correspondence and the first-time attendance of Dr. Chris Evans (UNCC), Dr. Kate Medicus (Optimax), Dr. Leonard Hanssen (NIST). Hopefully all 10 members will participate more actively in the coming years.

In addition, the US continues to be very active in the work of the subcommittee, with experts participating in all of the projects within WG1 and WG2, and occasional support of projects within WG3. US Experts are currently leading six active projects.

Significant Problems Encountered in 2013

ISO Subcommittee

There have been no significant barriers to our work in the ISO subcommittee beyond the usual differences of opinion of the delegations rising from differing standard practice within countries.

US TAG Subcommittee

We continue to lack an expert to take a leadership role within WG3. While we have had several members of the TAG participate from time to time, we could benefit greatly from a single expert who was willing to participate in the long haul.

Projections for 2014

ISO Subcommittee

Our goal this year is to publish ISO 10110 Part 19 and the significant revisions of Parts 5 and 6 to allow specification of freeform optics. We also hope to make significant progress on revising ISO 10110 Part 9 to be more consistent with ISO 9211-1 through -4, merging Part 10 with Part 1 and allowing more tabular drawing formats, publish a notation standard for raw optical glass, and revise and update other parts of the ISO 10110 standard to accommodate more standard practice.

US TAG Subcommittee

For the US TAG, our most important objective is to publish an ANS version of all the parts of ISO 10110 and ISO 9211. We will also be pushing for streamlining the existing ISO 10110 parts, and merging ANSI OP1.002 for surface imperfections into ISO 10110 Part 7 and ISO 14997.

