

# **ANSI/OESC TAG to ISO/TC 172/SC 1 Annual Report for 2012**

**Prepared by TAG/SC 1 Leader:** Dave Aikens

**Number of Meetings Held during 2012:** 1

Date: October 23-26, 2012

Location: St. Gallen, Switzerland

**Number of Meetings Scheduled for 2013:** 1

Location: NIST, Gaithersburg, MD

## **List any significant accomplishments for ANSI/OEOSC TAG/SC 1 this year.**

Work continues on a suite of standards to address aspheric optics without an axis of rotational symmetry. This includes a new standard, CD 10110-19 for freeform optics, and significant revisions to ISO 10110-5 and -6 for form and centring notations respectively, and also amending ISO 10110-12 to allow new types of rotationally symmetric optics. ASC OP convened Task Force 5, Aspheric Optics, to monitor and participate in these efforts in conjunction with the TAG/SC1. The US continues to support the German delegation with comments and technical work on the standards.

The US currently leads a project to incorporate the ANSI/OEOSC OP1.002 scratch and dig method into the ISO standards ISO 10110-7 and ISO 14997. A WD has been submitted with the NP proposal, which is being circulated for balloting.

The US currently leads a project to extensively revise the general optics drawing notations standard and the standard for tabular drawings for optics, ISO 10110-1 and -10 respectively. The two standards will be combined into a single standard. A revised version of the WD will be submitted with the NP by the end of February.

The US currently leads a project to combine ISO 10110-2, -3, and -4 into a single material imperfection standard, including a new set of notation for raw optical glass properties, ISO 12123. The new standard is expected to be ISO 10110-18. A draft WD is due from the project leader by the end of January.

The US successfully led an effort to resolve to revise ISO 10110-9 to be consistent with new versions of ISO 9211-1, -2, -3 and -4. Germany will lead this project with US support. The US has also encouraged a vote to revise ISO 10110-11, defaults, and hopes to lead that project in 2014.

The US (via ANSI) has offered to host a joint SC 1/SC 3 meeting at NIST in Gaithersburg MD in September 2013.

## **List any problems encountered by the ANSI/OEOSC TAG/SC 1 during the year**

We continue to lack representation in SC1 WG3, due to a lack of available experts in environmental standards and testing.