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.

<table>
<thead>
<tr>
<th>Subcommittee, Working, or Project Group Meeting Name</th>
<th>Date(s)</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>TC172 SC1</td>
<td>9/23-9/26/13</td>
<td>Gaithersburg, MD, USA</td>
</tr>
<tr>
<td>SC1/WG3</td>
<td>9/25/13</td>
<td>Teleconference</td>
</tr>
</tbody>
</table>

ISO Meetings Scheduled for 2014

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<tr>
<td>TC172 SC1/WG3</td>
<td>3/11, 06:00 GMT</td>
<td>teleconference</td>
</tr>
<tr>
<td>TC172 SC1</td>
<td>9/22 – 9/24/14 tentative</td>
<td>Berlin tentative</td>
</tr>
</tbody>
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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.