

Draft  
Minutes  
ASC OP/TF 4, Conversion of ISO 10110 to a National Standard Task Force Meeting  
August 1, 2010, 1:30 p.m. – 5:00 p.m.  
Marriott Hotel and Marina, Encinitas Room  
333 West Harbor Drive, San Diego, CA, 92101

<b>Present</b>	<b>Attendees Representing ASC OP Member Organizations</b>	
<input checked="" type="checkbox"/>	<b>Committee Members</b>	<b>Representing</b>
<input type="checkbox"/>	David Aikens	Savvy Optics Corporation
<input checked="" type="checkbox"/>	Gordon Boulton	JDSU Corporation
<input type="checkbox"/>	Benjamin Catching (Alternate)	JDSU Corporation
<input checked="" type="checkbox"/>	Walter Czajkowski	APOMA (Edmund Optics)
<input type="checkbox"/>	Jessica DeGroote Nelson	Optimax Systems, Inc.
<input checked="" type="checkbox"/>	Marla Dowell	IEEE Photonics Society
<input checked="" type="checkbox"/>	Marla Dowell	NIST
<input type="checkbox"/>	Lincoln Endelman	SPIE, (Endelman Enterprises)
<input checked="" type="checkbox"/>	Donna Howland	Northrop Grumman Aerospace Systems
<input type="checkbox"/>	Hal Johnson	Harold Johnson Optical Lab
<input checked="" type="checkbox"/>	Alan Krisiloff	Triptar Lens Co., Inc.
<input checked="" type="checkbox"/>	Stephen Martinek	4D Technology Corporation
<input type="checkbox"/>	Rick Plympton (Alternate)	Optimax Systems, Inc.
<input checked="" type="checkbox"/>	Ray Williamson	Ray Williamson Consulting
<input type="checkbox"/>	Rich Youngworth	Light Capture, Inc.
	<b>Observers (1)</b>	
<input checked="" type="checkbox"/>	Gene Kohlenberg	OEOSC

**1. Welcome and Introductions**

A. Krisiloff acting as Task Force Leader pro tem opened the meeting at 1:45 p.m. With a round of introductions.

**2. Adoption of Agenda**

Defer item 8. S. Martinek moved that the agenda be approved, and G. Boulton seconded it. The motion carried unanimously.

**3. Approval of the Minutes of the January 25, 2010 Meeting**

D. Howland moved that the draft minutes be approved; R. Youngworth seconded the motion, which carried unanimously.

**4. Ballot status, BSR/OEOSC 1.0110-1, -10, -12**

**BSR/OEOSC 1.0110-1**

G. Kohlenberg said that Part 1 will be submitted to ANSI after September 13 when the national review period ends. OEOSC will have to decide what the price for this standard should be. ANSI will be required to collect royalty from OEOSC on behalf of ISO. The Secretary will set a Board conference call when the ANSI proposal is received so that it can approve the sale price.

**TF4/OEOSC 1.0110-10**

Count - Vote				Vote	
Company	Primary	Last	First	Yes	Yes, with Comments
4D Technology Corporation	Primary	Martinek	Stephen	1	
APOMA	Primary	Czajkowski	Walter	1	
Davidson Optronics, Inc.	Primary	Gaugh	Charles	1	
Harold Johnson Optical Lab	Primary	Johnson	Hal	1	
IEEE Photonics Society	Primary	Dowell	Marla	1	
Individual	Primary	Royall	William	1	
JDSU	Primary	Boulton	Gordon		1
Light Capture, Inc.	Primary	Youngworth	Rich	1	
NIST	Primary	Dowell	Marla	1	
Northrop Grumman Aerospace Systems	Alternate	Howland	Donna	1	
Northrop Grumman Laser Systems	Primary	Snyder	Keith	1	
Optimax Systems, Inc.	Primary	DeGroot Nelson	Jessica	1	
R.A.Smythe, LLC	Primary	Smythe	Robert	1	
Sawy Optics Corp.	Primary	Aikens	David	1	
Triptar Lens Co., Inc.	Primary	Krisiloff	Allen	1	
Zygo Corporation	Primary	Evans	Chris		1
<b>Total Result</b>				<b>14</b>	<b>2</b>

G. Boulton's comments follow with resulting actions appearing in blue:

Foreword 1) line 1 delete comma after "texture." Line 2 add comma after "required." In line 1 in the paragraph above the table, "for which" is repeated twice. In the list of Organizations Represented the "cross" symbol before Brookhaven National Lab is in a smaller font size and is above the line compared to the others. [Done.](#)

Title: as part of the MOD, may we change the title from "Optics and Electro-Optical Instruments..." to "Optics and Photonics..."? [Optics and Electro-Optical Instruments is the title of ASC OP. If you want to change the name, you will have to propose it on the agenda for the OP annual meeting.](#)

Normative references and Bibliography: we need to do a check of which parts of ISO 10110 have had title changes to "Optics and photonics..." [Will be done.](#)

3.3 I don't believe "subdivided" is hyphenated. [It is not hyphenated in US English.](#)

Table 1: 5/: there are extra spaces after "ISO 10110-7" and after "or." [Done.](#)

C. Evans' comments follow with resulting actions appearing in blue:

[If we incorporate these suggestions, the standard will have to go back to TF 4 for processing, with a corresponding ballot by TF 4 before submitting it to OP. These changes will have to be completed within a few weeks so that release of the standard is not drastically delayed.](#)

The spirit of this standard is fine, but the examples are inadequate. Specifically, there are not examples that really demonstrate all of the "ANS Note" additions in the Table Field. On first pass this just looks like ISO 10110 examples — people will look at this with so few examples and decide to keep doing what they are doing. [This is a good idea. We need a volunteer to provide these examples.](#)

What about a drawing with as PSD spec? A slope spec? What about aspheres? If aspheres are to be dealt with in a separate document (likely a smart thing) then this standard should state that it is explicitly for spheres. [This can be incorporated if we have a volunteer to provide the drawing.](#)

What about wedge specified in the "Field of the drawing (F.O.D.)," rather than by "4/". In this manner centration may be specified as a run-out tolerance (as it is measured) with clear indications to datums on the lens. [We need a volunteer to provide the text.](#)

Perhaps most concerning to me is the specifications on glass properties and surface imperfections...ANS Note 7 and ANS Note 8. It states the option to use ANSI/OEOSC 0P3.001 and ANSI/OEOSC OP1.002 symbols and notations with a note clarifying which glass standard is in effect — yet there is not an example of how this could/should be done on a drawing. [We need a volunteer to provide this example.](#)

**TF4/OEOSC 1.0110-12**

The ballots are due August 15, 2010.

**5. Review ISO 10110-6**

R. Williamson said that he will have recommendations ready for the October ISO meeting in London.

**6. Review ISO 10110-9**

The ballots for this draft are due August 19, 2010.

**7. Review ISO 9211**

G. Boulton reviewed the forewords for the three parts. In North America T represents total transmittance and  $\tau$  represents internal transmittance. Europe uses  $\tau$  for total transmittance. Parts 1 and 2 will be MOD versions and Part 3 will be IDT since  $\tau$  is not referenced.

Recess at 3:11 p.m. And reconvened at 3:20 p.m.

**8. Review ISO 10110-11**

R. Youngworth presented a chart showing the results of his survey of common practice.

**9. Time line for ISO 10110-18**

A. Krisiloff said that a draft is due for the October ISO meeting in London.

**10. Action Items**

**ASC OP/TF 4 Action Items from Previous Meeting**

<i>Agenda Item</i>	<i>Action Item</i>	<i>Owner</i>	<i>Due Date</i>
<b>4</b>	<b>Ballot Status of ISO 10110-1, -10, -12</b>		
	a) Submit OP1.110-1 to ANSI	Kohlenberg	Don
	b) Circulate OP1.110-10 for ballot at the ASC level	Kohlenberg	Done
	c) Review draft of OP1.110-12 and recommend for ballot	Aikens	Done
	d) Circulate new version of OP1.110-12 to TF for ballot	Kohlenberg	Done
	e) Document results of numbering convention vote; confirm with ANSI	Kohlenberg	Done
<b>5</b>	<b>Review ISO 10110-6</b>		
	a) Work with Litschel on new CD for ISO level	Williamson	9/1/10
<b>6</b>	<b>Review ISO 10110-9</b>		
	Review OP1.110-9 and recommend for ballot	Aikens	Done
	Circulate OP1.110-9 for ballot	Kohlenberg	Done
<b>7</b>	<b>Review ISO 9211</b>		
	Provide drafts of forewords for OP versions of 9211-1, -2, and -3	Boulton	Done
	Monitor and report on ISO 9211-4 progress	Boulton	Done
<b>8</b>	<b>Review ISO 10110-5</b>		
	a) Send current revision to Marla	Aikens	Done
	b) Revise OP1.110-5 to be consistent with OP1.004	Dowell	6/14/10
	c) Define all notes from -5 in OP1.004	Evans	6/14/10
<b>10</b>	<b>Review ISO 10110-11</b>		
	a) Write up solicitation for feedback and submit to Kohlenberg	Youngworth	Done
	b) Write draft of OP1.110-11	Youngworth	5/30/10
<b>11</b>	<b>Time-line for ISO 10110-18</b>		
	a) Final committee draft of notation method for bulk glass	Krisiloff	5/30/10

**ASC OP/TF 4 Action Items for Next Meeting**

<i>Agenda Item</i>	<i>Action Item</i>	<i>Owner</i>	<i>Due Date</i>
4	BSR/OEOSC OP1.0110-1 a) At completion of ANSI national draft review, submit BSR 9 to ANSI; b) schedule board meeting after ANSI approval of draft to be a national standard; c) Board approve financial arrangement with ANSI; d) release the standard.	G. Kohlenberg G. Kohlenberg  Board G. Kohlenberg	09/13/10 TBD  TBD TBD
4	TF 4/OEOSC OP1.0110-10 a) Edit standard to include C. Evan's comments; i) provide examples of glass properties and surface imperfections; ii) provide example drawings of <ul style="list-style-type: none"> <li>▪ examples illustrating ANS notes;</li> <li>▪ PSD and slope specifications;</li> <li>▪ wedge field of view</li> </ul>	G. Boulton S. Martinek	TBD TBD
4	TF 4/OEOSC OP1.0110-12: Change Forbes equation and send PDF file to Kohlenberg	D. Aikens	08/31/10
5	Ensure that ISO 10110-6 is on London agenda.	R. Williamson	09/15/10
7	Submit drafts of TF 4/OEOSC OP1.9211-1,2,3 to TF for ballot.	G. Boulton	01/11/10
9	Get time slot at 11/2010 APOMA workshop to review and discuss ISO 10110-11 and default tolerances in standard.	W. Czajkowski	10/01/10
9	Lead discussion of 10110-11 at 11/2010 APOMA workshop.	R. Youngworth	11/10/10
9	Submit draft of ISO 10110-11 to TF by 2011 Photonics West or 2011 Optifab for discussion.	R. Youngworth	TBD
	Submit draft of ISO 10110-2,3,4 to TF and ISO working group.	A. Krisiloff	08/31/10

**11. Time and Place of next TF 4 Meeting**

W. Czajkowski moved that TF 4 meet in San Francisco in January. D. Howland seconded the motion. The Secretary was asked to check to see if TF 3 could meet on Monday rather than Sunday. R. Youngworth abstained, but the motion carried.

**12. Adjourn**

G. Boulton moved that the meeting be adjourned; S. Martinek seconded the motion, which carried unanimously. The meeting adjourned at 4:38 p.m.