

Draft Minutes
 ASC OP/TF 3 Optics and Electro-Optical Instruments – Optical Elements and Assemblies – Wavefront Standard
 Monday, October 25, 2010
 8:30 a.m. – 12:00 noon EDT
 Conference Call

Attending

<input checked="" type="checkbox"/>	Committee Members (7 of 18 w/1 alt.)	Representing (Parent Organization)
<input type="checkbox"/>	David Aikens	Savvy Optics Corp.
<input type="checkbox"/>	Gordon Boulton (Alternate)	JDSU
<input type="checkbox"/>	David Corridon	Individual
<input type="checkbox"/>	Walter Czajkowski	APOMA (Edmund Optics)
<input checked="" type="checkbox"/>	Jessica DeGroote Nelson (Alternate)	Optimax Systems, Inc.
<input checked="" type="checkbox"/>	Marla Dowell	IEEE/LEOS
<input checked="" type="checkbox"/>	Marla Dowell	NIST
<input type="checkbox"/>	Lincoln Endelman	SPIE (Endelman Enterprises)
<input checked="" type="checkbox"/>	Chris Evans	Zygo Corporation
<input type="checkbox"/>	Krishna Gupta (Alternate)	Zygo Corporation
<input type="checkbox"/>	Guttman	Photon, Inc.
<input checked="" type="checkbox"/>	Donna Howland	Northrop Grumman Aerospace Systems
<input type="checkbox"/>	Hal Johnson	Harold Johnson Optical Lab
<input type="checkbox"/>	Allen Krisiloff	Triptar Lens Company, Inc.
<input type="checkbox"/>	Mike Mandina (Alternate)	Optimax Systems, Inc.
<input type="checkbox"/>	Stephen Martinek	4D Technology
<input type="checkbox"/>	Wayne McKinney (Alternate)	Lawrence Berkeley National Lab
<input type="checkbox"/>	Rick Plympton	Optimax Systems, Inc.
<input checked="" type="checkbox"/>	Bob Smythe	R. A. Smythe, LLC
<input type="checkbox"/>	Piotr Szwaykowski	Engineering Synthesis Design
<input checked="" type="checkbox"/>	Peter Z. Takacs	Brookhaven National Lab
<input checked="" type="checkbox"/>	Ray Williamson	Ray Williamson Consulting
<input type="checkbox"/>	Dr. Valeriy V. Yashchuk	Lawrence Berkeley National Lab
Observers (1)		
<input checked="" type="checkbox"/>	Gene Kohlenberg	OEOSC
<input type="checkbox"/>	Paul Murphy	QED Technologies

1. Welcome and Introductions

C. Evans opened the meeting at 8:35 a.m. Chris Evans, Ray Williamson, Bob Smythe, Peter Takacs, Marla Dowell, Donna Howland, Jessica

2. Adoption of Agenda

P. Takacs moved to adopt the draft agenda. M. Dowell seconded the motion, which carried unanimously.

3. Approval of draft minutes of the June 13, 2010 meeting

M. Dowell moved that the draft minutes be accepted; J. DeGroote Nelson seconded the motion; the motion carried unanimously.

4. Wavefront Standards

a) OP1.004 Review of Action Items from Previous Meeting

There were 13 action items; C. Evans submitted updates in two forms. The Secretary missed a couple of the items added to the PDF version of the draft. When those are incorporated then the draft will be ready for balloting.

Suggested edits were added to the draft:

- R. Williamson suggested changes in the Scope and clause 3.6.
- C. Evans added a note on 3.11.
- R. Williamson suggested changes in section 4.
- C. Evans will provide additional text to Note 1 in section 4. He will also draft a Note 4 to clarify the concept of residuals.
- R. Smythe made a comment about the third bullet in section 4.
- R. Williamson said that the previous change of the word “its” to “their” was incorrect.
- R. Williamson and R. Smythe suggested that references to the terms “a” and “c” be added to clauses 4.10 and 4.11.
- R. Williamson asked which viewing direction is used in clause 4.2.14. C. Evans will edit this clause.
- P. Takacs suggested that the coordinate system referenced in 4.2.14 should be cylindrical rather than polar.
- R. Williamson said that the capital letter A in the equation found in clause 4.5.5 should be a Z.
- C. Evans said that the equation in 4.6.1 should $SFE=2a_2^0$.
- P. Takacs will supply edits for clause 4.7.
- R. Williamson noted that an edit to the PDF text is missing.
- R. Williamson suggested that “be” is need in paragraph two of Annex B Clause B1.
- C. Evans suggested that the flow chart be inserted as Annex D with a reference to it to be added to the Scope.
- P. Takacs asked if the draft should reference any other bases, such as Forbes osculating-surface polynomials in clause 4.2.12. C. Evans said that he knew of no use of them in drawings, as yet. J. DeGroote Nelson said that they are of more interest to designers. C. Evans said that he will add some wording to clause 4.1 to cover other polynomial representations.

The Secretary said that after R. Williamson submits an edit to clause 3.6, he will put the final version of the draft up on the website and notify everyone to make any comments within five days. If there are no comments, then he will issue the ballot.

The Task Force recessed at 10:00 a.m. And reconvened at 10:06 a.m.

b) OP1.005 Review of Action Items from Previous Meeting

P. Takacs said that his e-mail was down over the weekend and he was unable to submit the latest versison.

- He began the glossary of terms.
- An issue was the symbol for slope. He suggests Θ as was done by the radar industry in the '50s..
- He simplified clauses 3.1 and 3.1.1.
- In clause 3.2.3, he substitute u for x and y.
- In 3.2.7, x is now u.
- I 3.2.7.1 u replaces x.
- d_u replaces d in clause 3.3.4.
- x and y are explicit in clause 3.3.10.
- Clause 3.4 will have to be checked.
- In section 5 he still has to deal with P. Murphy's comments concerning transfer function effects.
- He thinks that his comments concerning hard edge frequency filter effects are correct.
- R. Williamson said that “statistical” was misspelled in clause 5.5.4. The Hamming reference needs to be completed.
- R. Smythe said that “amplifies” in the note in clause 4.3.1 should be “amplify.”

5. Action Items

a) Op1.004: Minor changes agreed:

- R. Williamson and C. Evans will supply edits to the secretary who will start the ballot process after a five-day review by the Task Force who will retrieve the draft from the web. The draft should be ready within a month.

b) OP1.005 Action Items from 6/13/2010 meeting

- M. Dowell said that she still needs to compare OP1.005 with ISO 14999.
- P. Takacs said that he could have a draft ready for ballot within two weeks.

6. Time and Place for next OP/TF 3 Wavefront Meeting

M. Dowell moved that the next meeting be a teleconference 10:00a.m., EST, January 19, 2011; J. DeGroot Nelson seconded the motion, which carried. unanimously.

7. Adjournment

R. Williamson moved that the meeting be adjourned. J. DeGroot Nelson seconded the motion. The meeting was adjourned at 10:40 a.m..