

ASC OP / TF4 Adoption of ISO 10110 as an American National Standard

Monday, February 9, 2015, 8 am to 9 am

Call to Order

The meeting was called to order at 8 am by David Aikens, Task Force Leader.

Welcome and Introductions

David Aikens, Savvy Optics, Task Force Leader and Meeting Chairman
Hal Johnson, JML
Allen Krisiloff, Triptar
Gordon Boulton, Individual
Donna Howland, Northrop
Marla Dowell, NIST
Daniel Palmari, LMCO
Patrick Augino, Optimax
Leonard Hanssen, NIST

Agenda

The agenda was approved as circulated.

Motion / Second / Vote: Marla Dowell / Hal Johnson / Unanimous

Minutes

The minutes from the teleconference meeting on October 29, 2014 were modified to show that Detlev Rastov is the project leader for the revision of ISO 10110-17.

Modified minutes were approved.

Motion / Second / Vote: Marla Dowell / Gordon Boulton / Unanimous.

Status of All Standards

The Committee reviewed the spreadsheet maintained to track the progress of modifying and adopting the various parts of the ISO series as American National Standards.

Seven adoptions have been approved.

The adoption of the ISO 9211 series of parts is mostly done.

Press releases should go out after standards are up on the ANSI website for sale.

Actions Going Forward

Dave Aikens will organize all the BSR9 files to insure an orderly transition to publication. The list of members in the standard must be adjusted to match exactly the membership lists supplied with the BSR application.

We must negotiate a national adoption agreement with ANSI. ISO does not want us to charge less than their list price.

10110-14

Marla Dowell is the project leader for the adoption of ISO 10110-14. She has added a foreword and ANS notes to the original ISO version. ANS notes guide the reader in the interpretation of the ISO content as an American National Standard.

The committee discussed the pros and cons of using one comprehensive note to direct the reader from ISO 14999-4 to OP1.004. The alternative is to place an ANS note wherever a reference to ISO 14999-4 appears. Chris Evans redefined many terms to conform to American understanding. These terms also require ANS notes. It is probably better to leave many, enumerated ANS notes in the document. Marla will make the final decision in her new draft.

The committee noted that the default units should be nanometers; do not mention fringes as an alternative unit.

Marla noted that the figures in the ISO document are good and do not require any special ANS notation.

References to OP1.004 are difficult to finalize because the document has not yet been published. Gordon Boulton suggested use of an asterisk to identify its unpublished status. ISO uses the same technique.

A mapping table in the beginning of the document maps relevant ISO documents to American National documents. Add the mapping of ISO 14999-4 to OP1.004.

The name of the standard is Optical Wavefront Measurement.

Marla Dowell will finish editing the document; Dave Aikens will reformat it with the ANSI template.

Status of 10110-6

ISO 10110-6 has not yet been published, so we must wait before we propose modifications for adoption as an ANS. Dave Aikens and Rich Youngworth are tracking its progress at the ISO.

Status 10110-17

Donna Howland delivered the update on 10110-17 and its potential adoption as a national standard.

The community of laser users needs a new and better way to define damage threshold. Michael Thomas is trying to get an official copy of a testing standard developed at NIF. Marla Dowell observed that users are interested in both short-term and long-term damage, but that the NIF test is better at assessing long-term damage.

We may not adopt 10110-17 but rather create our own. We might preserve some of the structure of Part 17 in our own version.

Jon Anenberg will serve as the project leader for a new laser damage standard in TF7. He will first work on a map to present and classify the array of damage tests employed today.

Donna Howland observed that Jon Anenberg works on the James Webb telescope. Dave Aikens will send a letter to that program to formally ask for Jon's support in TF7.

Separately, Dave Aikens will also ask Thorlabs to join TF7.

There will be a general project meeting of TF7 at DSS in April. The next working meeting will be conducted via teleconference.

Next meeting

The next meeting was established as a teleconference on Wednesday, May 20, 2015 at 8 am PST (11 am EST).

Motion / Second / Vote: Allen Krisiloff / Leonard Hannsen / Unanimous.

Adjournment

The meeting was adjourned at 9:00 am.

Motion / Second / Vote: Hal Johnson / Dan Palmari / Unanimous.