

FOR ACTION

Letter Ballot: OEOSC/OP/TF 4  
Ballot No.: TF 4/2009-1  
Issued: 6/4/09  
Date Due: 7/5/09

OEOSC ASC OP, Committee for Optics and Electro-Optical Instruments  
Title: Preparation of Drawings for Optical Elements and Systems

Question: Shall ISO 10110-1 be adopted as an American National Standard with customization for the US optics Industry?

- Yes       Yes, with comment
- No (State reason in comments area)
- Abstain (State reason in comments area)

Enter comments in the space below. Include another sheet if your comments exceed this space. All negative votes and abstentions must be accompanied by an explanation.

Mail or FAX your response to  
Gene Kohlenberg  
OEOSC Executive Director  
P.O. Box 25705  
Rochester, NY 14625-0705  
FAX: 585-377-2540

Walt Czajkowski  
Signature

6-25-09  
Date

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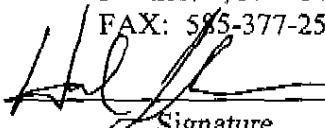
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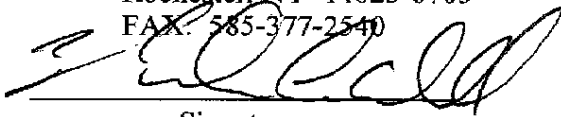
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6/17/09  
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My only concern is the handling of decimal points rather than commas. First, the decimal seems to have made its way into text that the foreword implies is verbatim ISO 10110 text. This represents an opportunity for confusion. Second, I know that some of the modern design software can handle ASME Y14.5 or ISO 10110 interchangeably. How will those packages handle our "hybrid" of mostly ISO10110 with decimals? The text boxes in the standard and the foreword lead the user to the alternate US standards very well.

Mail or FAX your response to  
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William E Royall  
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7/2/09  
Date

William E. Royall  
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Include any contact	City	<input type="text"/>
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	E-Mail	<input type="text"/>

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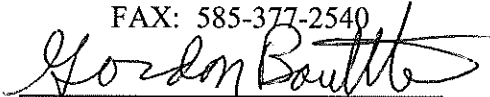
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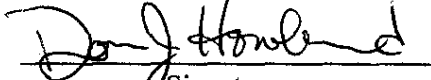
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Rochester, NY 14625-0705  
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Signature

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Donna Howland  
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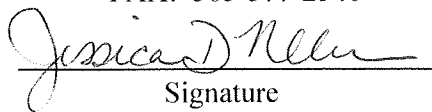
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6/08/09  
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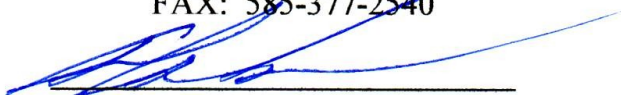
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Excellent work!

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 Gene Kohlenberg  
 OEOSC Executive Director  
 P.O. Box 25705  
 Rochester, NY 14625-0705  
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Signature

6/4/9

  
 Date

Dave Aikens

Printed Name

Savvy Optics Corp

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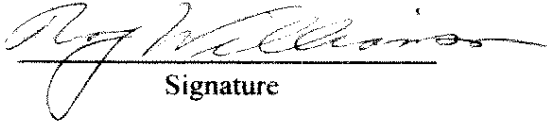
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\*\*\*\*See attached sheet\*\*\*\*

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Gene Kohlenberg  
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Signature

6/25/09  
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Printed Name

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Comments for ballot BSR/OEOSC OP1.110-1

Page 7, line 2: Space needed between "Figure" and "9"

Page 10, 4.6.2, third from final paragraph: Should be an ANS Note. This is clearly not from the ISO text.

Page 14, 4.6.7, paragraph 2 gives an example of a penta prism and states that the perpendicularity of the penta's respective sides to its base are "pyramidal angles." Paragraph 4 states that an error in *ray deviation perpendicular to the plane of the drawing* is known as a "pyramidal deviation error;" and then refers to Figure 28 b.

Issues:

Neither of these paragraphs defines "pyramidal error" the way I understand it – as the deviation of one surface normal to a plane formed by two other surface normals (typically the two legs of a right-angle prism vs. its hypotenuse.)

Figure 28 b shows parallelism to the base surface, datum A, which is not necessarily perpendicular to the "plane of the drawing." In fact, in 28 b it's *parallel* to the plane of that drawing – it is nominally perpendicular to the plane of 28 a.

I think we need to help ISO in this regard with a better explanation.

3<sup>rd</sup> angle projection not per ANSI style fig 28 (at least)

Page 17 section 4.8.3 last line says "see Figure 29." It would be helpful to place figure 29 immediately after this line.

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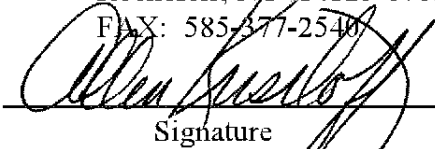
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Include any contact	City	<input type="text"/>
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