

## BALLOT RESULTS

Letter Ballot: OEOSC/OP1

Ballot No.: 2011-6 OP1.0110-12 approval

Issued: December 1, 2011

Date Due: January 15, 2012, extended to January 31, 2012

OEOSC ASC OP, Committee for Optics and Electro-Optical Instruments

Title: BSR/OEOSC OP1.0110-12, Proposed American National Standard for Optics and Electro-Optical Instruments – Preparation of drawings for optical elements and systems – Part 12 Aspheric Surfaces.

Number of voting members: **29**

Number of ballots required: **15**

Number of ballots received: **12**

**Do you approve the adoption of BSR/OEOSC OP1.0110-12 as an American National Standard?**

**12** Affirmative Comments, if any :

(1) Northrop Grumman: is "Laser Systems", should be "Electronic Systems",

(2) ESDI: There is a typo in Eq.11 - the De coefficient should be changed to D3.

(3) ESDI: The document does not deal with axially non-symmetric surfaces other than torics and cylinders

(4) ESDI: The document gives (implicitly) preference for using power series representation of the aspheric surfaces over Forbes polynomial representation (in my opinion should be reversed.)

(5) RWC: 5.1 states: The centering tolerance is indicated in accordance with ISO 1101 as the maximum permissible axial run-out, and, alternatively, in accordance with ISO 10110€ as the maximum permissible tilt angle (marked with index a). But ISO 10110-6 has terms for both the tilt AND the lateral decenter of the aspheric surface with respect to the datum axis. Apparently this was missed in the 10110-12 editing process. We should include it in our notes and bring this to attention of ISO.

(6) RiYo: optional: On the Forbes bfs basis, since the BFS curvature may be calculated a few different ways, it may be prudent to specifically cite Qm and cbfs as defined in reference [2] to avoid slight difference in design and fabrication definition of cbfs

0 Negative w/reasons:

0 Abstain w/reasons:

**Result: Return to TF for reconciliation of comments.**