

## BALLOT RESULTS

Letter Ballot: OEOSC/OP

Ballot No.: 2011-3 Project Initiation – Aspheric Metrology

Issued: June 1, 2012

Date Due: July 1, 2012

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

**Proposed Title:** PINS/OEOSC OP1.006, Proposed American National Standard for Optics and Electro-Optical Instruments – Optical Elements and Assemblies – Asphere Metrology

**Proposed Scope:** A document that provides standardized and accurate terminology that ties to the description of the surface and test methods for testing of the surface. This ANSI standard will include:

- a generalized description of test methods, including freeforms;
- a connection back to ISO10110 (and ANSI equivalent) of how aspheric surfaces are defined;
- cross-referencing to conformance testing (acceptance testing) along with appropriate decision rules to facilitate ease of quality assurance;
- appropriate definitions given for different commonly used terms for disambiguation such as asphere, anamorph, freeform, gull wings, and so forth.

**Reason for creating the standard:** Aspheres are an emerging technology and the metrology for them is crucial. Although attention has been given to them for drawing standards, metrology standards are insufficient for enabling the industry to standardize key germane measurement facets.

Number of voting members: **39**

Number of ballots required: **majority**

Number of ballots received: **13**

**Question:** Do you approve the initiation of a project to develop a standard for Asphere Metrology with the above scope?

**13** Affirmative    Comments, if any : Firmly in agreement . The current test methods for aspheres and free form optics are not linked to any formal standardization. An agreed upon classical standard method would considerably aid and clarify, defining customer need with the selected manufacturer.

0 Negative w/reasons:

0 Abstain w/reasons:

Result: **Pass**

**(OEOSC ExDir to file PINS with ANSI)**