

Optics Standards News

Headlines from Berlin

I know we'd all like to be able to attend ISO standards committee meetings in person, but sometimes our busy schedules won't allow it. Since I just got back from the ISO standards meetings in Berlin, I thought I would report on some of the highlights, for those readers who couldn't make the meeting.

In November there were a series of meetings of TC172/SC1, SC3, and SC9, held at the headquarters for the German standards organization, DIN. These are the sub-committees responsible for fundamental standards, standards for materials and components, and electro-optical systems standards, respectively.

ISO 10110 in color? The biggest news may be that ISO 10110 Parts 1 and 10 (which describe the symbology and format of optics drawings) are going to be revised to allow color to be used on optics drawings. This project will be led by the Romanian and US delegations, and will probably be complete in 2012.

Surface slope notation. The final draft of the new surface texture notation standard has been approved for publication in 2010. This standard will bring ISO 10110 Part 8 into alignment with ISO 1302, and will add some new notations for surface slope, RMS slope, waviness, and lay, as well as making many other improvements and including a table of examples.

New centering notations. Thanks to the hard work of Ray Williamson of [Ray Williamson Consulting](#), the next version of ISO 10110 Part 6 for centering tolerances, expected in 2011, will include a way to specify element wedge in terms of runout and beam deviation, which is standard practice in the US, in addition to surface tilt.

New glass standards. A Japanese-led standard on IR materials, ISO 11382, and a German-led standard for optical properties of raw optical glass, ISO 12123, have both been advanced to the final draft stage. A new project has begun to synchronize the drawing notations with the raw glass standard. The project, led by Allen Krisiloff of [Triptar Lens Company](#), will result in a new notation standard, ISO 10110 Part 18, in 2011 or 2012.

Coating standard to be revised. The existing coating standards, ISO 9211 Parts 1 and 2, have been revised and will be published next year. In addition a new project, led by Gordon Boulton of JDSU, will revise the test methods standard, ISO 9211 Part 4.

A new LED standard? The Japanese delegation to SC9 has proposed a new measurement standard for Light Emitting Diodes. The original charter was to develop a standard to address the optical properties, however this new proposal also encompasses the diode's electrical properties. This may intrude on the charter of a subcommittee of IEC, responsible for international electrical standards. Resolution of the issue is anticipated at a summit meeting at Photonics West between the two standards bodies.

For more detailed information about the meetings, please contact the heads of the US delegation to each of the committees directly. For SC1, contact [Dave Aikens](#) of [Savvy Optics Corp.](#) For SC3, contact [Gordon Boulton](#) of [JDSU](#), and for SC9, contact [Breck Hitz](#) of [LEOMA](#).