

Annual Report of an ANSI/OEOSC TAG to ISO TC172 Subcommittee Covering the Year 2015

TAG Subcommittee Number and Name: SC3 Optical Materials and Components

TAG Subcommittee Leader: Mr. Tatsuro Otaki

ISO Meetings Held During 2015

Subcommittee meetings usually include break-out meetings of working groups and project groups. List the top-level meeting; do not list the break-out meetings.

Subcommittee, Working, or Project Group Meeting Name	Date(s)	Location
SC3 <i>Optical Materials</i> First Plenary Session	Oct. 6, 2015	Hotel Ibis Paris Alésia Montparnasse, Paris, France
WG1 <i>Raw Optical Glass</i>	Oct. 6, 2015	Hotel Ibis Paris Alésia Montparnasse, Paris, France
WG2 <i>Coatings</i>	Oct. 6, 2015	Hotel Ibis Paris Alésia Montparnasse, Paris, France
WG3 <i>Characterization of IR Materials</i>	Oct. 7, 2015	Hotel Ibis Paris Alésia Montparnasse, Paris, France
WG1 <i>Raw Optical Glass</i> + SC1/WG2 <i>Preparation of Drawings for Optical Elements and Systems</i> Combined Session	Oct. 8, 2015	Hotel Ibis Paris Alésia Montparnasse, Paris, France
SC3 <i>Optical Materials</i> Second Plenary Session	Oct. 8, 2015	Hotel Ibis Paris Alésia Montparnasse, Paris, France

ISO Meetings Scheduled for 2016

Subcommittee meetings usually include break-out meetings of working groups and project groups. List the top-level meeting; do not list the break-out meetings.

Subcommittee, Working, or Project Group Meeting Name	Date(s)	Location
SC3 <i>Optical Materials</i> WG3 <i>Characterization of IR Materials</i>	~Oct. 11, 2016	Romania

Significant Accomplishments in 2015

ISO Subcommittee

A new chairperson was appointed for SC3, Mr. Tatsuhiro Otaki of Japan. The SC3 secretary, Mr. Koichi Matsumoto of Japan, announced his retirement at the end of the final SC3 Session in Paris. He will be replaced in 2016 by Mr. Noriaki Tokuda of Japan. A new convener of SC3/WG2, Mr. Trey Turner (US), who replaced Mr. Gordon Boulton (US), led the WG2 meeting in Paris.

During 2015 three new Approved Work Items (AWI) and four New Projects (NP) were initiated:

ISO/AWI 19740, *Optics and photonics – Optical materials and components – Test method for homogeneity of infrared optical materials*

ISO/AWI 19741, *Optics and photonics – Optical materials and components – Test method for striae of infrared optical materials*

ISO/AWI 19742, *Optics and photonics – Optical materials and components – Test method for impurities of infrared optical materials*

ISO/NP 9211-5, *Optics and photonics – Minimum requirements for optical coatings – Part 5: Antireflecting coatings*

ISO/NP 9211-6, *Optics and photonics – Minimum requirements for optical coatings – Part 6: Reflecting coatings*

ISO/NP 9211-7, *Optics and photonics – Minimum requirements for optical coatings – Part 7: Neutral beam splitting coatings*

ISO/NP 9211-8, *Optics and photonics – Minimum requirements for optical coatings – Part 8: Coatings used for laser optics*

Two standards under review were selected for revision and became Working Drafts (WDs):

ISO/WD 9211-1 : 2010, *Optical coatings – Part 1: Definitions*

ISO/WD 12123 : 2010 (ed. 2), *Optics and photonics – Specifications of raw optical glass*

One standard under review was confirmed for renewal:
ISO 9211-2 : 2010, *Optical coatings – Part 2: Optical properties*

US TAG Subcommittee

First time US TAG participants at an SC3 meeting were: Mr. Adam Phenis, as a technical expert, and Mr. Trey Turner, as the WG2 Convener.

Significant Problems Encountered in 2015

ISO Subcommittee

No current issues were encountered.

US TAG Subcommittee

No new problems were encountered.

Projections for 2016

ISO Subcommittee

Continued progress on the standards in process.

TAG Subcommittee

Continued active participation by the US TAG members in the process of the current standards under development.