

# Annual Report of an ANSI/OEOSC TAG to ISO TC172 Subcommittee Covering the Year 2019

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**TAG Subcommittee Number and Name:**

SC3 Optical Materials and Components

**TAG Subcommittee Leader:**

Leonard Hanssen

**ISO Meetings Held During 2019**

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
<i>SC3 Optical Materials and Components Plenary 1</i>	Nov. 12, 2019	China Jiliang University, Hangzhou, China
<i>SC3 Optical Materials and Components Plenary 2</i>	Nov. 14, 2019	China Jiliang University, Hangzhou, China

**ISO Meetings Scheduled for 2020**

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
<i>SC3 Optical Materials and Components</i>	Fall 2020	United States

## **Significant Accomplishments in 2019**

### **ISO Subcommittee**

For example: change of leadership, work items introduced, advanced, completed, or terminated, etc. Due to increased activity from both new and traditional members, the number of standards in development under SC3 have increased significantly in just a few years.

During 2019 one Project Work Items (PWI) recommended to be revised and submitted as a Working Draft (WD):

*ISO/PWI 8424: Raw optical glass — Resistance to attack by aqueous acidic solutions at 25 degrees C — Test method and classification*

During 2019, two proposals recommended to be submitted as New Work Item Projects (NWIPs)

WG 3 N 101, *Chalcogenide glass* (JISC)

WG 3 N 102, *Infrared spectral bands* (ANSI)

During 2019 two Working Drafts (WDs) recommended to be revised as a Committee Draft (CD):

*ISO/WD 21395-2 Optics and photonics - Test method for refractive index of optical glasses - Part 2: V-block Refractometer Method*

*ISO/WD 9802 Raw optical glass – Vocabulary*

During 2019 two Committee Drafts Items (CDs) became Draft International Standards (DISs):

*ISO/DIS 21395-1 Optics and photonics - Test method for refractive index of optical glasses - Part 1: Minimum deviation method*

*\*ISO/CD 23364 Optics and photonics – Bulk absorption optical filters* (\*proposed for DIS by Convener)

At the end of 2019, two Draft International Standards (DISs) were recommended to

proceed to fDIS

ISO/DIS 22576, *Optics and photonics — Optical materials and components — Specification of calcium fluoride used in the infrared spectrum*

ISO/DIS 22531, *Optics and photonics – Optical materials and components – Test method for climate resistance of optical glass*

At the end of 2019, one International Standard was recommended to be revised as a PWI to fDIS

ISO 17411, *Optics and photonics — Optical materials and components — Test method for homogeneity of optical glasses by laser interferometry*

#### **US TAG Subcommittee**

For example: US leadership on projects, new US members, US invitations for future meetings, etc.

Participation of US TAG members include the Convener of WG 2, the Project Leader of the proposal: *Infrared spectral bands*. The US Tag will be hosting TC 172 Subcommittee meetings in 2020. Four US members attended the 2019 meetings in Hangzhou, including two new members.

### **Significant Problems Encountered in 2019**

#### **ISO Subcommittee**

Generally SC3 meetings went well with any disagreements being resolved during the respective meeting

#### **US TAG Subcommittee**

Although the US Delegation to the ISO Meetings in Hangzhou had limited participation and the schedule of parallel meetings, its four members were able assure attendance at every individual meeting.

### **Projections for 2020**

#### **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, including as conveners and project leaders.

The US TAG members look forward to hosting the 2020 ISO SC3 meetings.