

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

TAG Subcommittee Number and Name:

SC4, Telescopic Systems

TAG Subcommittee Leader:

Richie Youngworth, Ph.D.

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
ISO/TC 172/SC 4	2019-05-20 to 2019-05-21	Vienna, Austria
ISO/TC 172/SC 4/WG 2	2019-11-11	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
ISO/TC 172/SC 4	Fall 2020, To Be Resolved	United States of America

Significant Accomplishments in 2019

ISO Subcommittee

This group has provided support to the ISO/TC 172/AHG on AR/VR systems including Dr. Richie Youngworth chairing the meeting in Hangzhou, China to support the BSI chairman Dr. Simon Hall who was unable to attend.

Published: ISO 14490-9 "Optics and photonics – Test methods for telescopic systems – Part 9: Test methods for field curvature"

Published: ISO 9336-3 "Optics and photonics – Optical transfer function – Application – Part 3: Telescopes"

Advanced to DIS: ISO 14490-10 " Optics and photonics – Test methods for telescopic systems – Part 10: Test methods for axial colour performance"

Advanced to DIS on eye relief topic: ISO 14135-1, ISO 14135-2, ISO 14132-3 and ISO 14490-3

Initiation of updates as WD ISO 14490-5 Optics and photonics – Test methods for telescopic systems – Part 5: Test methods for transmittance

Initiation of updates as WD to night vision device projects ISO 21094, ISO 14490-8, ISO 14132-5

Future topics were formally discussed and are under consideration, per documents ISO-TC172-SC4-WG2-N0157 and ISO-TC172-SC4-WG2-N0162.

US TAG Subcommittee

The US TAG for this SC now has support from Rodrigo Hernandez (Sig Sauer).

Significant Problems Encountered in 2019

ISO Subcommittee

All problems from the past have been resolved with Austria leadership supported by Germany program management (DIN). This subcommittee is now active. The ISO TC/172 voted in November to confirm Mr. Franz Erler from Austria for three years.

US TAG Subcommittee

No significant problems were encountered.

Projections for 2020

ISO Subcommittee

This subcommittee will continue to operate as it did in 2019 with formal systemic reviews, continue on current projects, initiate projects per the future plan, and supporting the ISO/TC172/AHG on AR/VR systems.

TAG Subcommittee

The US committee for this group will continue to support international efforts in standardization discussed earlier in this report.