

# Annual Report of an ANSI/OEOSC TAG to ISO TC172 Subcommittee Covering the Year 2014

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**TAG Subcommittee Number and Name:** SC5 Microscopes and Endoscopes

**TAG Subcommittee Leader:** Stanley Schwartz 1/24/2015

## ISO Meetings Held During 2014

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
<b>TC172 SC5 WG 3,6,9</b>	<b>September 22-25, 2014</b>	<b>DIN Offices DIN Platz Berlin, Germany</b>

## ISO Meetings Scheduled for 2015

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Subcommittee, Working, or Project Group Meeting Name	Date(s)	Location
<b>TC172 SC5 WG 3,6,9</b>	<b>September 14-17, 2015</b>	<b>Boulder, Colorado, USA NIST Facility</b>

## Significant Accomplishments in 2014

### At the Berlin Meeting:

A total of 46 experts representing 7 countries were in attendance. The following is a breakdown of delegates by country

- USA: = 4
- UK: = 3
- Switzerland: = 1
- Germany: = 12
- Japan: = 9
- China; = 13
- Saudi Arabia = 4

Members from the US delegation included; Stanley Schwartz (WG3,9), Dennis Leiner (WG6), Henry Lam (observer WG6), Quanzeng Wang (WG6) . New members of US delegation from Pentax could not make the meeting due to health issue.

Allen Krisiloff, US HOD of TC172 attended WG3 meeting and provided expert comments and direction.

New Members from Saudi Arabia delegation attended Meetings and contributed well.

The Chairman, Carsten Hoyer, was unable to attend the Berlin meeting due to other business obligations. The Subcommittee followed the secretariat proposal and appointed Christian Schulz as the Acting Chairman for the Berlin meeting. Mr. Schulz did a superb job.

## **List any significant accomplishments for ANSI/OEOSC TAG/SC 5 this year (2014).**

### **Significant Progress of Work**

Since the last meeting of SC 5, the following progress was made:

### **6 Newly published standards**

- ISO 9345-2 Microscopes - Imaging distances related to mechanical reference planes - Part 2: Infinity corrected optical systems 2nd edition; published 2014-09-04
- ISO 15362 Stereomicroscopes - Information provided to the user 2nd edition; published 2014-08-28
- ISO 8038 Microscopes -- Screw threads for objectives and related nosepieces 3rd edition; published 2013-10-23
- ISO 8255-2 Microscopes -- Cover glasses -- Part 2: Quality of materials, standards of finish and mode of packaging 2nd edition published 2013-09-09
- ISO 8600-4 Endoscopes -- Medical endoscopes and endotherapy devices -- Part 4: Determination of maximum width of insertion portion 2nd edition published 2014-03-03
- ISO 8039:2014 (replaces ISO 8039:2012)  
Microscopes -- Values, tolerances and symbols for magnification published 2014-12-11

### **8 Active work items**

- ISO/CD 18221 WG 3 Microscopes - Microscopes with digital imaging displays - Information provided to the user regarding imaging performance - [Will go to DIS vote in early 2015](#)
- ISO/CD 19055 WG 9 Microscopes - Minimum requirements for binocular tubes - [Will go to DIS vote in early 2015](#)
- ISO/CD 19056-1 WG 9 Microscopes - Definition and measurement of illumination properties - Part 1: Image brightness and uniformity in bright field microscopy - [Will go to DIS vote in early 2015](#)
- ISO/FDIS 19012-3 WG 9 Microscopes - Designation of microscope objectives - Part 3: Spectral transmittance - [To be published in 2015](#)
- ISO/DIS 12853 WG 3 Microscopes - Information provided to the user – [To go to FDIS in 2015](#)
- ISO/DIS 8600-2 WG 6 Endoscopes - Medical endoscopes and endotherapy devices - Part 2: Particular requirements for rigid bronchoscopes – [Revision draft to be circulated in 2015](#)

- ISO/DTS 18339 WG 6 Endotherapy devices - Eyepiece cap and light guide connector - [Revision draft to be circulated in 2015](#)
- ISO/DTS 18340 WG 6 Endotherapy devices - Trocar pins, trocar sleeves and endotherapy devices for use with trocar sleeves - [Revision draft to be circulated in 2015](#)

#### 4 Systematic reviews for 2014

- ISO 8036: 2006, Optics and photonics - Microscopes - Immersion liquids for light microscopy - [Confirmed with minor revision](#)
- ISO 10935:2009 ,Microscopes - Interfacing connection type C - [Confirmed](#)
- ISO 11884-1:2006, Optics and photonics - Minimum requirements for stereomicroscopes - Part 1: Stereomicroscopes for general use - [Confirmed](#)
- ISO 11884-2:2007, Optics and photonics - Minimum requirements for stereomicroscopes - Part 2: High performance microscopes - [Confirmed](#)

#### New work items proposed and accepted for 2015

The Chairman asked the P-members for their commitment if this potential new work item from Germany could be accepted as Year 0 project. It was agreed that a revised and more detailed document should be circulated within ISO/TC 172/SC 5 by June 2015 for discussion at the next ISO/TC 172/SC 5 meeting.

#### ***"Measurement of the illumination properties related to the color for bright field light microscopy" / Japanese Delegation***

The need and intention for this potential new work item was presented at the second plenary meeting. A detailed presentation was given at the WG 9 meeting by Katsuyuki Abe and will be circulated as document N 675. The Chairman asked the P-members for their commitment if this potential new work item from Japan could be accepted as Year 0 project. It was agreed that a revised and more detailed document should be circulated within ISO/TC 172/SC 5 by June 2015 for discussion at the next ISO/TC 172/SC 5 meeting.

#### Summary

- Overall, this meeting was very productive, well run and very efficient. The ISO committee represented was well organized and ran the meeting perfectly.
- Six (6) standards were published since the 2013 meeting:
- Four (4) standards are under systematic review;
  - All Six (6) were assigned to working groups for revision at the SC5 meeting, 3 from WG-6 were confirmed; 3 from WG-3 will undergo minor revisions.
- Eight (8) Active Projects (Standards under development or review of standards needing slight revision ( [see above in blue for meeting resolution results](#)))
- Two (2) New Preliminary work items NWIP projects were further presented by national delegations and will be worked on in committee.
- Disband WG 8 The subcommittee resolves to disband WG 8 "Immersion media for light microscopy" due to lack of registered work items.

- There were no additional items or future work items suggested to be added

### **Member changes**

- As of January 10, 2014 Mr. Michael Lewis, Olympus USA, WG3&9, has resigned his membership in the US delegation due to a job change, Olympus will appoint a new representative.
- 2 New members for SC5 were added in September 2014; Dr. Hrish Deo Pentax Medical and Dr. Azadeh Khanicheh Pentax Medical, both representing WG6; although they did not attend the Berlin meeting due to health reasons
- Olympus replaced Dave Barlow with Todd Vesty of Gyrus ACMI for WG6.

### **Subsequent meeting**

Tentative date and place of the next meeting of ISO/TC 172/SC 5

The Subcommittee appreciated the offer of the proposal of the US Delegation to host the 2015 meeting in the US at the NIST facility in Boulder, CO during September 14-17, 2015. This was subsequently accepted and formally proposed by ANSI in December 2014. The preliminary 2015 meeting announcement has been sent to SC5 members in January 2015.

The Subcommittee appreciated the invitation expressed by the Japanese delegation to hold the ISO/TC 172/SC 5 meeting 2016 in Japan.

### **List any problems encountered by the ANSI/OEOSC TAG/SC 5 during the year**

Again due to personnel changes during 2013/2014, TAG/ SC5 has experienced turnover in WG-3 & 9 and the US Delegation is now reduced to 1 member, Another member from Industry (Olympus) may be appointed but ramp up time and ISO learning curve will take a while to become effective. The US delegation for WG-3 & 9's should have additional experts / representatives. I have tried to recruit additional experts from academics to support the voice of the user. Academic members for WG 3 & 9 have been identified and have offered support for the new proposed work items for 2015 in Confocal and Brightfield color NPWI's.

Stanley Schwartz will be retiring from Nikon Instruments Inc. on March 31, 2015 but will be retained by Nikon Corp as a consultant and endorsed by Nikon to continue as US TAG SC5 leader for 2 additional years ( through 2016). Mr. Schwartz will propose a replacement / trainee Mr. Joe LoBiondo in 2015.

**No additional or new projections for 2015 were discussed or anticipated.**