

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

TAG Subcommittee Number and Name:

SC 9 - Electro-optical Systems (Lasers)

TAG Subcommittee Leader:

HOD/TA Thomas J Lieb, Deputy HOD/TA Dr. Marla Dowell

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
SC9 (WG1, JWG3, WG6, WG7)	June 17,18,19, 2015	Berlin, DE
JWG 3 (IEC TC 76 JWG10)	October 27, 2015	Didcot, UK

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
JWG 3 (IEC JWG 10)	26 October 2106	Beijing, China
SC9 (TBD)	TBD	TBD

Significant Accomplishments in 2015

SC 9 - Electro-optical Systems (Lasers)

See Attached listing of documents processed for vote and publication

See Attached listings Plenary & WG meeting accomplishments

US TAG Subcommittee

The US continues to have participation (and new members) despite the challenges of maintaining membership in the Subcommittee.

Significant Problems Encountered in 2015

ISO Subcommittee

The subcommittee is maintaining minimum membership and a nominal work load. Significantly interest in some medical applications are represented, other WGs are less populated, outside the dedicated continuing members

US TAG Subcommittee

The US TAG for SC 9 continues to have participation issues. We do have a nominal list of members, but only a handful review documents for vote and comment. Some documents processed by the US are simply processed as “abstained” because we lack representation in much of the areas of expertise required

Projections for 2016

ISO Subcommittee

Additional WG to be made Dormant. Work continues in earnest in Medical applications and materials processing

TAG Subcommittee

The current Head of Delegation and Technical Advisor (Lieb) to the US TAG is concurrently Chair of IEC TC 76 and Convener of ISO/IEC JWG (3 & 10) . Lieb has been actively looking for a replacement as TA, but is concerned that it be turned over to someone of broad interest, technical skills and high involvement in the SC 9 process, heretofore. To date, the only candidate considered in that category(Dr. M. Dowel) has declined the position. Lieb has confirmed not to leave the post, especially while he retains Convener of JWG3, until a replacement deemed suitable to himself, the TAG and the leadership of US NC & TAG TC 172 (ANSI)

US position: Agree	7298	sc9N616.pdf (69KB)	N616: Resolution by correspondence - Revision of ISO 21254-3 2011: Lasers and laser-related equipment -- Test methods for laser-induced damage threshold -- Part 3: Assurance of laser power (energy) handling capabilities. (2015-12-23)
US votes received: J. Arenberg - Agree M. Dowell - Agree D. Johnson - Abstain T. Lieb - Abstain G. Nemes - Agree T. Turner - Agree J. Yager - Agree			
N616			
ISO comments template			

<p>Email your vote/comments to Michele Stolberg by 01/10/16; email: michele@optstd.org</p>			
<p>US position: Agree</p> <p>US votes received: J. Arenberg - Agree M. Dowell - Agree D. Johnson - Abstain T. Lieb - Abstain G. Nemes - Agree T. Turner - Agree J. Yager - Agree</p> <p>N615</p> <p>ISO comments template</p> <p>Email your vote/comments to Michele Stolberg by 01/10/16; email: michele@optstd.org</p>	<p>7297</p>	<p>sc9N615.pdf (68KB)</p>	<p>N615: Resolution by correspondence - Revision of ISO 21254-2 2011: Lasers and laser-related equipment -- Test methods for laser-induced damage threshold -- Part 2: Threshold determination. (2015-12-23)</p>
<p>US position: Agree</p> <p>US votes received: J. Arenberg - Agree M. Dowell - Agree D. Johnson - Abstain T. Lieb - Abstain G. Nemes - Agree T. Turner - Agree J. Yager - Agree</p> <p>N614</p> <p>ISO comments template</p> <p>Email your vote/comments to Michele Stolberg by 01/10/16; email: michele@optstd.org</p>	<p>7296</p>	<p>sc9N614.pdf (68KB)</p>	<p>N614: Resolution by correspondence - Revision of ISO 21254-1 2011: Lasers and laser-related equipment -- Test methods for laser-induced damage threshold -- Part 1: Definitions and general principles. (2015-12-23)</p>
<p>N613</p>	<p>7295</p>	<p>sc9N613.pdf (153KB)</p>	<p>N613: Result of Systematic Review of ISO deliverable: ISO 21254-3:2011: Lasers and laser-related equipment -- Test methods for laser-induced damage threshold -- Part 3: Assurance of laser power (energy) handling</p>

			capabilities. (2015-12-23)
N612	7294	sc9N612.pdf (205KB)	N612: Systematic Review voting result and comments: ISO 21254-3:2011: Lasers and laser-related equipment -- Test methods for laser-induced damage threshold -- Part 3: Assurance of laser power (energy) handling capabilities. (2015-12-23)
N611	7293	sc9N611.pdf (152KB)	N611: Result of Systematic Review of ISO deliverable: ISO 21254-2:2011: Lasers and laser-related equipment -- Test methods for laser-induced damage threshold -- Part 2: Threshold determination. (2015-12-23)
N610	7292	sc9N610.pdf (221KB)	N610: Systematic Review voting result and comments: ISO 21254-2:2011: Lasers and laser-related equipment -- Test methods for laser-induced damage threshold -- Part 2: Threshold determination. (2015-12-23)
N609	7291	sc9N609.pdf (277KB)	N609: Systematic Review voting result and comments: ISO 21254-1:2011: Lasers and laser-related equipment -- Test methods for laser-induced damage threshold -- Part 1: Definitions and general principles. (2015-12-23)
N608	7290	sc9N608.pdf (153KB)	N608: Result of Systematic Review of ISO deliverable: ISO 21254-1:2011: Lasers and laser-related equipment -- Test methods for laser-induced damage threshold -- Part 1: Definitions and general principles. (2015-12-23)
US will abstain (no US experts provided input). US NWIP Ballot N607	7215	sc9N607.pdf (1.3MB)	N607: NWIP: Lasers and laser-related equipment — Test method for angle resolved scattering. (2015-10-15)

<p>NWIP Ballot</p> <p>Email your ballot to Michele Stolberg by 12/22/15; email: michele@optstd.org</p>			
<p>US will abstain (no US experts provided input).</p> <p>N606</p> <p>ISO comments template</p> <p>Email your vote/comments to Michele Stolberg by 12/22/15; email: michele@optstd.org</p>	7214	sc9N606.pdf (2.7MB)	N606: ISO/DTR 20811: Optics and photonics - Lasers and laser-related equipment - Laser-induced contamination testing. (2015-10-14)
<p>N605</p>	7202	sc9N605.pdf (332KB)	N605: Result of voting on ISO/IEC CD 11553-2.2: Safety of machinery -- Laser processing machines -- Part 2: Safety requirements for hand-held laser processing devices. (2015-09-30)
<p>N604</p>	7201	sc9N604.pdf (337KB)	N604: Result of voting on ISO/IEC CD 11553-1.2: Safety of machinery -- Laser processing machines -- Part 1: General safety requirements. (2015-09-30)
<p>N603</p>	7200	sc9N603.pdf (10KB)	N603: Voting result for ISO/FDIS 11810 (Ed 2): Lasers and laser-related equipment -- Test method and classification for the laser resistance of surgical drapes and/or patient protective covers -- Primary ignition, penetration, flame spread and secondary ignition. (2015-09-29)
<p>N602</p>	7199	sc9N602.pdf (149KB)	N602: Voting result for ISO/FDIS 13694 (Ed 2): Optics and photonics -- Lasers and laser-related equipment -- Test methods for laser beam power (energy) density distribution. (2015-09-29)

<p>N601</p> <p>N601 CIB screenshot</p> <p>US ballot: Voted for Publication of 2nd DIS.</p>	7198	<p>sc9N601.pdf (255KB)</p>	<p>N601: Voting result for ISO/FDIS 11145 (Ed 4): Optics and photonics -- Lasers and laser-related equipment -- Vocabulary and symbols. (2015-09-29)</p>
<p>Proposed US SR Ballot</p> <p>Proposed US SR Comments</p> <p>US experts responding: Arenberg Ballot Nemes Ballot Nemes Comments Turner Ballot Yager Ballot</p> <p>2015 Systematic Review ISO 21254-3:2011</p> <p>SR Ballot</p> <p>Email your ballot to Michele Stolberg by 11/24/15; email: michele@optstd.org</p>	7141	<p>sc92015SysRevISO21254_3_2011.pdf (426KB)</p>	<p>2015 Systematic Review of ISO 21254-3:2011: Lasers and laser-related equipment -- Test methods for laser-induced damage threshold -- Part 3: Assurance of laser power (energy) handling capabilities. (2015-08-01)</p>
<p>Proposed US SR Ballot</p> <p>Proposed US SR Comments</p> <p>US experts responding: Arenberg Ballot Nemes Ballot Nemes Comments Turner Ballot Yager Ballot</p> <p>2015 Systematic Review ISO 21254-2:2011</p> <p>SR Ballot</p> <p>Email your ballot to Michele Stolberg by 11/24/15; email: michele@optstd.org</p>	7140	<p>sc92015SysRevISO21254_2_2011.pdf (815KB)</p>	<p>2015 Systematic Review of ISO 21254-2:2011: Lasers and laser-related equipment -- Test methods for laser-induced damage threshold -- Part 2: Threshold determination. (2015-08-01)</p>
<p>Proposed US SR Ballot</p> <p>Proposed US SR Comments</p>	7139	<p>sc92015SysRevISO21254_1_2011.pdf (130KB)</p>	<p>2015 Systematic Review of ISO 21254-1:2011: Lasers and laser-related equipment -- Test methods for laser-induced damage threshold -- Part 1:</p>

<p>US experts responding: Arenberg Ballot Nemes Ballot Nemes Comments Turner Ballot Yager Ballot</p> <p>2015 Systematic Review ISO 21254-1:2011</p> <p>SR Ballot</p> <p>Email your ballot to Michele Stolberg by 11/24/15; email: michele@optstd.org</p>			<p>Definitions and general principles. (2015-08-01)</p>
<p>N600</p>	<p>7138</p>	<p>sc9N600.pdf (403KB)</p>	<p>N600: Voting result and answered comments on ISO/FDIS 17901-2: Optics and photonics -- Holography -- Part 2: Methods for measurement of hologram recording characteristics. (2015-08-10)</p>
<p>N599</p>	<p>7137</p>	<p>sc9N599.pdf (258KB)</p>	<p>N599: Voting result and comments on ISO/FDIS 17901-1: Optics and photonics -- Holography -- Part 1: Methods of measuring diffraction efficiency and associated optical characteristics of holograms. (2015-08-10)</p>
<p>N598</p>	<p>7136</p>	<p>sc9N598.pdf (117KB)</p>	<p>N598: Voting result and comments on ISO/FDIS 13142: Electro-optical systems -- Cavity ring-down technique for high-reflectance measurement. (2015-08-10)</p>
<p>N597</p>	<p>7135</p>	<p>sc9N597.pdf (129KB)</p>	<p>N597: Report on the 24th meeting of ISO/TC 172/SC 9/WG 1 "Terminology and test methods for electro-optical systems" held in Berlin, Germany, on 17th June 2015. (2015-08-10)</p>
<p>N596</p>	<p>7134</p>	<p>sc9N596.pdf (126KB)</p>	<p>N596: Report on the meeting of ISO/TC 172/SC 9/WG 7 held in Berlin, DE, on 18th June 2015. (2015-08-10)</p>

N595	7133	sc9N595.pdf (126KB)	N595: ISO/DIS 14880-1 Secretariat response to comments: Optics and photonics -- Microlens arrays -- Part 1: Vocabulary. (2015-08-10)
N594	7132	sc9N594.pdf (78KB)	N594: ISO DIS 14880-1 report of voting: Optics and photonics -- Microlens arrays -- Part 1: Vocabulary. (2015-08-10)
N593	7114	sc9N593.pdf (383KB)	N593: Result of voting and answered comments on ISO/CD 11553-2 (N526). (2015-07-27)
N592	7113	sc9N592.pdf (408KB)	N592: Result of voting and answered comments on ISO/CD 11553-1 (N525). (2015-07-27)
<p>US vote: Agree, no comments</p> <p>US votes received: Smalley: Abstain Lieb: Agree, no comments</p> <p>N591</p> <p>ISO comments template</p> <p>Email your vote/comments to Michele Stolberg by 09/09/15; email: michele@optstd.org</p>	7112	sc9N591.pdf (542KB)	N591: ISO/CD 11553-2.2: Safety of machinery — Laser processing machines — Part 2: Safety requirements for hand-held laser processing devices. (2015-07-27)
<p>US vote: Agree, no comments</p> <p>US votes received: Smalley: Abstain Lieb: Agree, no comments</p> <p>N590</p> <p>ISO comments template</p> <p>Email your vote/comments to Michele Stolberg by 09/09/15; email: michele@optstd.org</p>	7111	sc9N590.pdf (423KB)	N590: ISO/CD 11553-1.2: Safety of machinery — Laser processing machines — Part 1: General safety requirements. (2015-07-27)
<p>US position: Agree, no comments</p> <p>US expert responses: David Johnson: Agree, no comments</p>	7099	sc9ISO_FDIS_11810.pdf (653KB)	ISO/FDIS 11810: Lasers and laser-related equipment — Test method and classification for the laser resistance of surgical drapes and/or patient

<p>ISO/FDIS 11810</p> <p>ISO comments template</p> <p>Email your vote/comments to Michele Stolberg by 09/03/15; email: michele@optstd.org</p>			<p>protective covers — Primary ignition, penetration, flame spread and secondary ignition — Part : Primary ignition and penetration. (2015-07-23)</p>
<p>Report of voting</p>	7098	<p>sc9ReportVotingDIS11810Ed2.pdf (284KB)</p>	<p>REPORT OF VOTING ON ISO/DIS 11810 (Ed 2): Lasers and laser-related equipment -- Test method and classification for the laser resistance of surgical drapes and/or patient protective covers -- Primary ignition, penetration, flame spread and secondary ignition. (2014-09-19)</p>
<p>N588</p>	7074	<p>sc9N588.pdf (579KB)</p>	<p>N588: Report of Secretariat ISO/TC 172/SC 9, Electro-optical systems, Meeting Berlin, Germany, June 2015. (2015-06-24)</p>
<p>N587</p>	7073	<p>sc9N587.pdf (5.8MB)</p>	<p>N587: ISO/CS Update to ISO/TC 172/SC 9, Electro-optical systems Berlin, 17–19 June 2015. (2015-06-24)</p>
<p>N589</p>	7068	<p>sc9N589.pdf (164KB)</p>	<p>N589: ISO/TC 172/SC 9 Resolutions taken at the meeting in Berlin, Germany, on June 17 and 19, 2015. (2015-06-19)</p>
<p>US position: Agree, with comments Proposed US comments</p> <p>US votes received: Nemes: Agree, with comments (proposed)</p> <p>ISO/FDIS 11145</p> <p>ISO comments template</p> <p>Email your vote/comments to Michele Stolberg by 08/01/15; email: michele@optstd.org</p>	7067	<p>sc9ISO_FDIS_11145.pdf (422KB)</p>	<p>ISO/FDIS 11145: Optics and photonics — Lasers and laser-related equipment — Vocabulary and symbols. (2015-06-18)</p>
<p>REPORT OF VOTING</p>	7066	<p>sc9ReportVotingDIS11145.pdf (295KB)</p>	<p>REPORT OF VOTING ON ISO/DIS 11145 (Ed 4): Optics and photonics -- Lasers and laser-related equipment -- Vocabulary and symbols. (2015-06-18)</p>

<p>US position: Agree, with comments Proposed US comments</p> <p>US votes received: Nemes: Agree, with comments (proposed)</p> <p>ISO/FDIS 13694</p> <p>ISO comments template</p> <p>Email your vote/comments to Michele Stolberg by 08/01/15; email: <a href="mailto:michele@optst
d.org">michele@optst d.org</p>	7065	sc9ISO_FDIS_13694.pdf (1.2MB)	ISO/FDIS 13694: Optics and photonics — Lasers and laser-related equipment — Test methods for laser beam power (energy) density distribution. (2015-06-18)
REPORT OF VOTING	7064	sc9ReportVotingDIS13694.pdf (336KB)	REPORT OF VOTING ON ISO/DIS 13694 (Ed 2): Optics and optical instruments -- Lasers and laser-related equipment -- Test methods for laser beam power (energy) density distribution. (2015-06-18)
N586	7059	sc9N586.pdf (129KB)	N586: Report of the Secretariat ISO/TC 172/SC 9 Electro-optical systems, Reporting period 2013-09 to 2015-06. (2015-06-16)
N585	7058	sc9N585.pdf (974KB)	N585: Visitor information for Berlin meeting. (2015-06-16)
SC9 US Delegates to Berlin (June 2015)	7011	sc9ANSI_ISO_Delegates_BERLIN_June2 015.doc (55KB)	SC9 US Delegates to Berlin (June 2015). (2015-05-12)
N584	6974	sc9N584.pdf (79KB)	N584: Berlin agenda item 5 - Laser security (June 2015). (2015-04-21)
N583	6965	sc9N583.pdf (103KB)	N583: Voting Result ISO/CD 10110-17, ISO/TC 172/SC 1 - for discussion in Berlin (June 2015). (2015-04-09)
N582	6964	sc9N582.pdf (54KB)	N582: Systematic Review voting result: ISO/TR 14880-5:2010. (2015-04-09)
N581	6963	sc9N581.pdf (54KB)	N581: Systematic Review voting result: ISO 24013:2006 (vers 2). (2015-04-09)
N580	6962	sc9N580.pdf (55KB)	N580: Systematic Review voting result: ISO 17526:2003 (vers 2). (2015-04-09)

N579	6961	sc9N579.pdf (54KB)	N579: Systematic Review voting result: ISO 15367-2:2005 (vers 2). (2015-04-09)
N578	6960	sc9N578.pdf (131KB)	N578: Systematic Review voting result: ISO 15367-1:2003 (vers 2). (2015-04-09)
N577	6959	sc9N577.pdf (121KB)	N577: Systematic Review voting result: ISO 14880-4:2006 (vers 2). (2015-04-09)
N576	6958	sc9N576.pdf (133KB)	N576: Systematic Review voting result: ISO 14880-3:2006 (vers 2). (2015-04-09)
N575	6957	sc9N575.pdf (126KB)	N575: Systematic Review voting result: ISO 14880-2:2006 (vers 2). (2015-04-09)
N574	6956	sc9N574.pdf (132KB)	N574: Systematic Review voting result: ISO 13697:2006 (vers 2). (2015-04-09)
N573	6955	sc9N573.pdf (108KB)	N573: Systematic Review voting result: ISO 13696:2002 (vers 3). (2015-04-09)
N572	6954	sc9N572.pdf (131KB)	N572: Systematic Review voting result: ISO 11670:2003 (Ed 2, vers 2). (2015-04-09)
N571	6953	sc9N571.pdf (55KB)	N571: Systematic Review voting result: ISO 11554:2006 (Ed 3, vers 2). (2015-04-09)
N570	6952	sc9N570.pdf (117KB)	N570: Systematic Review voting result: ISO 11551:2003 (Ed 2, vers 2). (2015-04-09)
N569	6916	sc9N569.pdf (5.7MB)	N569: Practical information for the next meetings of ISO/TC 172/SC 9 and its working groups in BERLIN/GERMANY in June 2015 (includes Meeting Registration Sheet). (2015-02-24)
N568	6915	sc9N568.pdf (233KB)	N568: NOTICE OF MEETING / DRAFT AGENDA for the meetings of TC172/SC9 in Berlin, Germany on June 17-19, 2015. (2015-02-24)
N567	6914	sc9N567.pdf (13KB)	N567: Result of voting on ISO/FDIS 11151-2 (Ed 2): Lasers and laser-related equipment -- Standard optical components -- Part 2: Components for the

			infrared spectral range. (2015-02-24)
N566	6913	sc9N566.pdf (13KB)	N566: Result of voting on ISO/FDIS 11151-1 (Ed 2): Lasers and laser-related equipment -- Standard optical components -- Part 1: Components for the UV, visible and near-infrared spectral ranges. (2015-02-24)
US response: Abstain ISO/FDIS 17901-2 ISO comments template Email your vote/comments to Michele Stolberg by 03/22/15; email: michele@optstd.org	6886	sc9ISOFDIS_17901_2.pdf (608KB)	ISO/FDIS 17901-2: Optics and photonics — Holography — Part 2: Methods for measurement of hologram recording characteristics. (2015-02-10)
Report of voting	6885	sc9ReportVotingDIS17901_2.pdf (695KB)	REPORT OF VOTING ON ISO/DIS 17901-2: Optics and photonics -- Holography -- Part 2: Methods for measurement of hologram recording characteristics. (2015-02-10)
US response: Abstain ISO/FDIS 17901-1 ISO comments template Email your vote/comments to Michele Stolberg by 03/22/15; email: michele@optstd.org	6884	sc9ISOFDIS_17901_1.pdf (695KB)	ISO/FDIS 17901-1: Optics and photonics — Holography — Part 1: Methods of measuring diffraction efficiency and associated optical characteristics of holograms. (2015-02-10)
Report of voting	6883	sc9ReportVotingDIS17901_1.pdf (435KB)	REPORT OF VOTING ON ISO/DIS 17901-1: Optics and photonics -- Holography -- Part 1: Methods of measuring diffraction efficiency and associated optical characteristics of holograms. (2015-02-10)
US response: Abstain ISO/FDIS 13142 ISO comments template Email your vote/comments to Michele Stolberg by	6882	sc9ISOFDIS_13142.pdf (435KB)	ISO/FDIS 13142: Electro-optical systems — Cavity ring-down technique for highreflectance measurement. (2015-02-10)

03/22/15; email: michele@optstd.org			
Report of voting	6881	sc9ReportVotingDIS13142.pdf (216KB)	REPORT OF VOTING ON ISO/DIS 13142: Electro-optical systems -- Cavity ring-down technique for high-reflectance measurement. (2015-02-10)

ISO/TC 172/SC 9 Resolutions taken at the meeting in Berlin, Germany, on June 17 and 19, 2015 13

RESOLUTION 01/2015

Adoption of the agenda

The subcommittee adopted the agenda as given in document N568.

ISO/TC 172/SC 9 N
589

RESOLUTION 02/2015

Appointment of the drafting committee

The following delegates agreed to assist the secretariat in preparing and finalizing the resolutions:

RESOLUTION 03/2015

Report of the secretariat

RESOLUTION 04/2015

Report from ISO CS

RESOLUTION 05/2015

Review of ISO 11990-1:2011 and ISO 11990-2:2010 –Revision

On the recommendation of WG 4, the subcommittee resolved to revise ISO 11990-1:2011 and ISO 11990-2:2010.

The revision shall be registered as one single project, for a merger of the two parts into one standard only, thereby eliminating unnecessary duplications and unintended discrepancies in them. The revision will be essentially editorial in nature.

Title of the revision project:

ISO/WD 11990, *Lasers and laser-related equipment — Determination of laser resistance of tracheal tube shaft and tracheal tube cuffs*

The project will be assigned to WG 4. A call for experts will be issued to the P-members to request nominations of experts in addition to those already registered in WG 4.

RESOLUTION 06/2015

Report of WG 4 "Laser systems for medical applications"

RESOLUTION 07/2015

Definition of beam ellipticity in ISO 13694 and ISO 11145

On the recommendation of WG 1 and WG 6, the subcommittee resolved to eliminate the

3.2.5

beam ellipticity

$\varepsilon(z)$

parameter for quantifying the beam ellipticity, ie. the departure from the circularity or squareness, of a power [energy] distribution at z

where the direction of x is chosen to be along the major axis of the

$d_{\sigma x}$

Note 1 to entry: If $\varepsilon \geq 0,87$ elliptical distributions can be regarded as circular. In case of

RESOLUTION 08/2015

Start of NWIP ballots for ISO/PWI 13682-1 and -2

On the recommendation of WG 1 and WG 6, the subcommittee resolved to launch a ballot for a new work item proposal on ultrashort pulsed lasers if a project leader can be found. Friedhelm Dorsch and Stephan Strohmaier agreed to seek out a project leader from TRUMPF. Other subcommittee members are encouraged to nominate a project leader as well.

ISO/NWIP 13682-1 *Lasers and laser-related equipment - Determination of the properties of ultrashort*

Project leader: to be nominated

Target date (feedback about project leader to SC 9

by 2015-
09-30

If no project leader will be nominated by 2015-09-30, the projects will be removed from the list of

RESOLUTION 09/2015

Evaluation of ISO 14644-9

On the recommendation of WG 1 and WG 6, the subcommittee resolved to request the

Target date (Dr. Ristau contacts Dr

by 2015-

Target date (evaluation feedback to the convenor of WG 1, Dr. Ristau): by 2016-

RESOLUTION 10/2015

Start of DIS ballot on ISO 10110-17

On the recommendations of WG 1 and WG 6, the subcommittee resolved to request ISO/SC 1 to

Target date (manuscript sent to secretariat of _____ by 2015-

RESOLUTION 11/2015

Project “Qualification of laser optics for space applications” – work towards ISO/TR

On the recommendations of WG 1 and WG 6, the subcommittee resolved to start work towards an ISO Technical report (ISO/TR) on "Qualification of laser optics for space applications" and requests ISO

Project leader: W. Riede
by 2015-

RESOLUTION 12/2015

Continue work on ISO/PWI 19986

On the recommendations of WG 1 and WG 6, the subcommittee resolved to launch a ballot for a new work item proposal on angle-resolved scattering.

Project leader: Dr. Sven Schröder
by 2015-

RESOLUTION 13/2015

Conclusion from systematic reviews of ISO 11551:2003 and ISO 11554:2006 – Revision with start at DIS stage

On the recommendations of WG 1 and WG 6, the subcommittee resolved to start a revision in order to update the following standards.

Project leader: Dr. Lars Jensen
Target date (DIS manuscript to secretariat): _____ by 2016-01-15

ISO/DIS 11554 *Optics and optical instruments -- Lasers and laser-related equipment -- Test method*

Project leader: Prof. Junichi Yoshida
Target date (DIS manuscript to secretariat): _____ by 2016-01-15

RESOLUTION 14/2015

Conclusion from systematic review of ISO 24013:2006 –Confirmation

RESOLUTION 15/2015

Conclusion from systematic review of ISO 15367-1:2003 and 15367-2:2005 – Confirmation and evaluation for consistency with ISO series 10110

On the recommendations of WG 1 and WG 6, the subcommittee resolved to confirm the following standards.

Dr Marla Dowell agreed to evaluate the standards for consistency with definitions in ISO 10110-17 and related parts of ISO series 10110.

Target date (evaluation feedback regarding consistency to WG 1 convenor, Dr. Ristau):

RESOLUTION 16/2015

Conclusion from systematic review of ISO 11670:2003, ISO 17526:2003, ISO 13696:2002 and ISO 13697:2006 – Confirmation and evaluation for update of normative references

On the recommendations of WG 1 and WG 6, the subcommittee resolved to confirm the previous standards.

Dr Mareike Trunk agreed to evaluate the standards with respect to the normative references. If an update is deemed necessary, minor revisions will be prepared and started by the secretariat.

RESOLUTION 17/2015

Report of joint meeting of WG 1 "Terminology and test methods for lasers" and WG 6 "Optical components and their test methods"

RESOLUTION 18/2015

Publication of ISO 14880-1

On the recommendation of WG 7, the subcommittee resolved to publish ISO 14880-1, as presented in the WG 7 meeting and proceed to publication

Project leader: Dr T. Miyashita and Dr. R. Stevens

by 2015-

RESOLUTION 19/2015

Conclusion from systematic review of ISO 14880-2, -3, -4 and ISO/TR 14880-5 – Confirmation On the recommendation of WG 7, the subcommittee resolved to confirm ISO 14880-2, -3, -4 and ISO/TR 14880-5.

RESOLUTION 20/2015

ISO 11807-1, -2 and 14881 – Commence revisions

On the recommendation of WG 7, the subcommittee resolved to commence revisions of ISO 11807-1, -2 and 14881. Liaison officer Mr. Masuda will voluntarily contribute to the drafting in cooperation with IEC/TC 86.

The systematic reviews of ISO 11807-1, -2 and 14881 will start on 2016-04-15 (see resolution 07/0015)

RESOLUTION 21/2015

Establish collaboration between ISO/TC 172/SC 9/WG 7 and IEC/TC 86/JWG 9

On the recommendation of WG 7, the subcommittee requests IEC/TC 86/JWG 9 to collaborate with respect to ISO 11807-1, -2 and 14881.

If a positive response is received from IEC, then WG 7 convenor will launch a call for experts among the P-members to serve on IEC/TC 86/JWG 9.

Topic 14 (WG 7 convenor Prof. G. ... feedback from committee WG 7)

RESOLUTION 22/2015

Report of WG 7 "Electro-optical systems other than lasers"

RESOLUTION 23/2015

Consolidation of WG 1 and WG 6

The subcommittee appreciates and supports the consolidation of WG 1 and WG 6. WG 1 will be renamed to "Terminology and test methods for electro-optical systems" and experts from WG 6 will be added to WG 1. WG 6 will thereafter be disbanded. All WG 6 work items will be moved to WG 1. Dr. Detlev Ristau will be the convenor of WG 1.

RESOLUTION 24/2015

Online JWG 1 meeting in November 2015

The subcommittee resolved to call for an online JWG 1 meeting with participants from IEC/SC 47 E, ISO/TC 172/SC 9/JWG 1 and ISO SC. At this meeting the administrative issue of interface among IEC/SC 47 E and ISO/TC 172/SC 9/JWG 1

RESOLUTION 25/2015

Nomination of SC 9 chairman

The subcommittee appreciates and supports the secretariat's nomination for Breck Hitz to serve as chairman for another year. The subcommittee supports that:
1. The secretariat will request ISO TMB to grant this 1-year-extension until the end of 2016 in order to find a new chairman and to guarantee a smooth transition.

RESOLUTION 26/2015

Next meeting of SC9

The tentative date for the next meeting of SC 9 is the last quarter of 2016 or the first quarter of 2017.

RESOLUTION 27/2015

Schedule of the 2016 Systematic Review of documents by SC 9

In anticipation of the business to be conducted the subcommittee resolved to ask ISO CS to launch the Systematic Review of following documents by SC 9 as follows:

With start date 2015-07-15:

ISO 21254-1:2011 *Lasers and laser-related equipment -- Test methods for laser-induced damage threshold -- Part 1: Definitions and general principles*

ISO 21254-2:2011 *Lasers and laser-related equipment -- Test methods for laser-induced damage threshold -- Part 2: Threshold determination*

ISO 21254-3:2011 *Lasers and laser-related equipment -- Test methods for laser-induced damage threshold -- Part 3: Assurance of laser power (energy) handling capabilities*

With start date 2016-04-15:

INTERNATIONAL ELECTROTECHNICAL COMMISSION
TECHNICAL COMMITTEE No. 76: LASER EQUIPMENT

REPORT ON PROGRESS OF JWG 10 AT DIDCOT 2015

Meeting of the JWG October 27, 2015, T. Lieb Convener (USA)

Experts			
M. Barrett, Secretary, UK	E. Heberer	Germany	
K. Washio Japan	A. Grüninger	Germany	
Y. Hashishin Japan	J. Tyrer	UK	

1) The joint ISO/IEC working group on laser processing machines, met per the Didcot schedule and according to the proposed Agenda.

a) Experts Roll Call

b) Acceptance of the Agenda

c) Discussion of Collated NC Comments received from both ISO and IEC Central Offices on Documents Circulated for vote and comment.

d) The JWG processed 40+ pages of comments, which were primarily editorial (and a large portion of which were directed at formatting issues for lists and numbering, which are the purview of the respective Secretariats for the documents.)

e) The JWG has determined that the two revised standards IEC/ISO 11553-1 and IEC/ISO 11553-2 should be put forward as CDV (FDIS), and will provide the Secretariat with appropriate Collated Comment resolution sheets and new text (By January 2016)

2) Resolved: IEC/ISO 11553-1 to be circulated as Committee Draft for Vote (CDV or FDIS)

3) Resolved: IEC/ISO 11553-2 to be circulated as Committee Draft for Vote (CDV or FDIS)

4) As an advisory, the JWG agreed with WG7 that an NWIP be created for the development of a separate standard on Beam Delivery Systems, Safety of Guarding (or suitable title, at WG 7 choosing)

5) There being no new business, the JWG adjourned until the Meeting of IEC TC 76 in Beijing, China October 2016 (or ad hoc meeting[s] called in the interim)

