



ISO/TC 172/SC 1  
ISO/TC 172/SC 1 - Fundamental standards  
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**Resolutions Okinawa 2011-10-11 and 2011-10-14**

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adopted at the meeting of ISO/TC 172/SC 1  
Fundamental standards  
in Okinawa/ Japan on 2011-10-11/14**

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**Resolutions adopted at the meeting of ISO/TC 172/SC 1  
Optics and photonics / Fundamental standards  
in Okinawa/ Japan on 2011-10-11/14**

**RESOLUTION 1 / 2011**

**Appointment of Acting Chairman**

The Chairman, Dr. Rainer Schuhmann, was unable to attend the Okinawa meeting due to other business obligations. The Subcommittee followed the secretariat proposal and appointed Dr. Hans-Jörg Heimbeck as the Acting Chairman for the Okinawa meeting.

**RESOLUTION 2 / 2011**

**Adoption of the agenda**

The Subcommittee adopted the agenda given in document N 658 with the following adjustments:

- move item "Potential new work on *Data reduction for roughness/waviness*" from agenda item # 6.2 to agenda item #6.1 (this is on WG 1 agenda and hence will form part of the WG 1 report);
- delete conclusion on systematic review of ISO 9039, ISO 13653 and ISO 15368 from agenda item #6.1, and of ISO 10109-7 and ISO 10109-11 from agenda item #6.5, because these standards have been unanimously confirmed and no comments were received from members' voting;
- agenda item #6.6: work item ISO 25297-1 is now registered as a "minor revision", not a corrigendum, hence the correct status designation is "FDIS".

**RESOLUTION 3 / 2011**

**Appointment of the drafting committee**

The following delegates agreed to assist the secretariat in preparing the resolutions:  
Allen Krisiloff, USA  
Michael Bray, France

**RESOLUTION 4 / 2011**

**Report of the secretariat**

The Subcommittee accepted the report on activities of the secretariat as given in document N 670 and as presented by the secretary Elisabeth Leitner.

## WG 1

### RESOLUTION 5 / 2011

#### Draft Technical Report ISO/DTR 16743, "*Wavefront sensors*"

On the recommendation by WG 1, the Subcommittee resolved that the Technical Report shall remain on the Preparatory Stage until all the comments have been resolved. The project leader was entrusted with making the remaining adjustments in reply to the comments received, consulting with other WG 1 experts as needed.

The resulting Working Draft will then be circulated to all WG 1 experts for comment. Discussion of comments received by WG 1 will be made via E-mail or Web-meeting facilities, with the goal to ultimately circulate a second Draft Technical Report for P-members voting, with a timing so that the voting result can be considered at the next WG 1 meeting.

Project leader: Richard Stevens, Simon Hall (UK)

Target dates:

Working Draft sent to WG 1 members by:	2011-12-31
WG 1 experts to comment by:	2012-02-29
Discussion by WG 1; preparation of revised draft by the project leader by:	2012-04-30
Circulation of second Draft Technical Report to SC 1 for vote by:	2012-05-31

### RESOLUTION 6 / 2011

#### Minor Revision of ISO 9334:2007, "*Optical transfer function – Definitions and mathematical relationships*"

On the recommendation by WG 1, the Subcommittee resolved that the following two items shall be incorporated into the FDIS 9334 during the proof reading process:

- (a) The comment from Germany on the systematic review in 2010 (cf. N 628, correct typo in 3.13);
- (b) In Table 1, limit the drawing notation to the notation using latin letters, but not cyrillic letters for Russian; cyrillic, however, will be retained for the abbreviations in the text.

The secretariat was entrusted with making these adjustments as the FDIS 9334 becomes available for proof reading.

### RESOLUTION 7 / 2011

#### Minor Revision of ISO 9335:1995, "*Optical transfer function – Principles and procedures of measurement*"

The subcommittee followed the recommendation by WG 1 on how to deal with each of the open items, see the manuscript N 674 (= WG 1 N 254) resulting from the WG 1 meeting.

The secretariat was entrusted with submitting the manuscript for FDIS circulation under the minor revision process to the ISO CS.

#### RESOLUTION 8 / 2011

**Preliminary work:**

**Potential new work on "Data reduction for roughness/waviness"**

**Potential new work on a "Standard set of roughness artifacts"**

Following the recommendation by WG 1, the Subcommittee resolved that preliminary work on these items be continued and progress reported by the project leaders at the next meeting.

Project leader "roughness artifacts": Dave Aikens (US)

Project leader "data reduction": Peter Takacs (US)

Target date: Working Drafts sent to WG 1 members by:

2012-08-31

#### RESOLUTION 9 / 2011

**Confirmation of ISO 517:2008, "Apertures and related properties ... – Designations and measurements"**

On the recommendation by WG 1, the Subcommittee resolved to confirm ISO 517:2008 without any changes.

#### RESOLUTION 10 / 2011

**Confirmation of ISO 8478:1996, "Camera lenses – Measurement of ISO spectral transmittance"**

On the recommendation by WG 1, the subcommittee concluded that – at this time – ISO 8478:1996 be confirmed without changes. The subcommittee, however, would support a revision project on availability of the resources (manpower) needed to undertake the project. The originators of the comments received are welcome to join in WG 1 and take an active role, e.g. as a project leader, in a future revision project.

#### WG 1+2 joint meeting

#### RESOLUTION 11 / 2011

**Circulation of Committee Drafts**

**ISO/CD 14999-4, "Interferometric measurement of ... – Part 4"**

and

**ISO/CD 10110-5, "Part 5: Surface form tolerances"**

The Subcommittee followed the recommendation by the joint meeting of its WG 1 and WG 2, that the project leaders and the nominated experts for the two work items will continue the discussion started at the meeting and, hopefully, will successfully resolve the comments received on the first working drafts. This will be via e-mail and/or by use of web-meeting facilities. The goal is to further develop and improve the current working drafts so that they can be circulated as Committee Drafts for P-members vote and comment, with a timing so that the voting result can be considered at the next joint meeting.

Project leader 10110-5: Sven Kiontke (Germany)

Project leader 14999-4: Axel Krause (Germany)

Target dates:

Comments sent to project leaders by:

2011-11-30

Discussion by nominated experts; preparation of revised drafts by project leaders by:

2012-04-30

Circulation of Committee Drafts to SC 1 for vote by:

2012-05-31

### RESOLUTION 12 / 2011

#### **Preliminary work: Potential revision of ISO 14997:2011, "Test methods for surface imperfections"**

On the recommendation by the joint meeting of its WG 1 and WG 2, the Subcommittee resolved to continue preliminary investigations towards a potential revision of this standard. The major item under discussion is the potential inclusion of scratch & dig specifications along the lines of the ANSI standard provided in document WG 2 N 247.

Project leader: Dave Aikens (USA)

Target dates:	Provide summary presentation of proposed changes for review by national committees by:	2011-11-30
	SC1 members to provide comments by:	2012-05-31
	Project leader to prepare draft by:	2012-08-31
	SC 1 members to prepare for discussion at the next meeting	2012-09-30

### WG 2

### RESOLUTION 13 / 2011

#### **Circulation of Draft Amendment ISO 10110-12:2007/DAmD.1, "Part 12: Aspheric surfaces"**

On the recommendation by WG 2, the Subcommittee resolved to release the Draft Amendment to ISO 10110-12 for vote and comment, as soon as the adjustments in reply to the comments received have been incorporated by the project leader, with a timing so that the voting result can be considered at the next WG 2 meeting.

Project leader: Sven Kiontke (Germany)

Target date: Submission of manuscript for DAmD. to ISO CS by:	2011-12-15
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### RESOLUTION 14 / 2011

#### **Preliminary work on ISO 10110-1 and ISO 10110-10 "Part 1: General" and "Part 10: Table representing data"**

On the recommendation by WG 2, the Subcommittee resolved to continue preliminary work towards a potential future revision of these two standards.

Project leaders: Dave Aikens (USA), Dana Granciu (Romania)

Target dates:		
Experts to send comments and questions to project leaders by:		2011-12-31
Project leaders to modify the WD six weeks before next meeting at latest:		2012-08-15
Experts to discuss with SC 9 experts to determine if opto-electronic device symbols for drawings already exist and if so, provide them.		2012-08-15
Secretary will search for ISO/IEC symbol references in ISO Concept Database:		2012-08-15
Experts to discuss at the next meeting:		2012-10-01

#### **RESOLUTION 15 / 2011**

##### **Preliminary work on ISO 10110-6 "Part 6: Centring tolerances"**

On the recommendation by WG 2, the Subcommittee resolved to upgrade the preliminary work item to an active work item. The Committee Draft shall be circulated for vote and comment, as soon as the adjustments as per the discussion of the WG 2 meeting have been incorporated by the project leader, with a timing so that the voting result can be considered at the next WG 2 meeting.

Project leader: Reinhold Litschel (Germany)

Target dates: Project leader to prepare manuscript for Committee Draft by: 2012-04-30  
Circulation of NWIP and Committee Draft to SC 1 members by: 2012-05-31

#### **RESOLUTION 16 / 2011**

##### **Work item ISO 10110-19 "Part 19: Optical freeform surfaces"**

On the recommendation by WG 2, the Subcommittee resolved to release the Committee Draft for ISO 10110-19 for vote and comment, as soon as the adjustments in reply to the experts' comments received have been incorporated by the project leader, with a timing so that the voting result can be considered at the next WG 2 meeting.

Project leader: Dirk Jahn (Germany)

Target date: Project leader and nom. experts to complete modified Working Draft by: 2011-12-31  
National committees to comment by: 2012-02-29  
Project leader to prepare manuscript for Committee Draft: 2012-04-30  
Circulation of Committee Draft to SC 1 members by: 2012-05-31

#### **RESOLUTION 17 / 2011**

##### **Confirmation of ISO 10110-9:1996 "Part 9: Surface treatment and coating"**

On the recommendation by WG 2, the Subcommittee concluded that – at this time – ISO 10110-9:1996 be confirmed without changes.

At the same time, the Subcommittee resolved that a closer review of ISO 10110-9 shall yet be made with respect to the new editions of ISO 9211 which have recently become available from SC 3 work. This will be done by both Subcommittees SC 1 and SC 3. The goal is to determine whether ISO 10110-9 requires update to reflect the new ISO 9211. Hans-Jörg Niederwald is prepared to serve as the project leader, and more experts from SC 3/WG 2 are welcome to join in the WG 2 project, if the conclusion will be towards revision.

Target dates: Subcommittees SC 1 and SC 3 initiate an internal review of ISO 10110-9,  
with respect to ISO 9211-1, -2, -3 and -4: 2012-03-31  
Project leader to circulate a summary report by: 2012-08-31  
Prepare for discussion at the next meeting, if necessary: 2012-09-30

## WG 2 + SC 3/WG 1 joint meeting

### RESOLUTION 18 / 2011

#### Preliminary work on ISO 10110-2, -3, -4 "*Material imperfections*"

On the recommendation by the joint meeting of its WG 2 with ISO/TC 172/SC 3/WG 1, the Subcommittee resolved to continue preliminary work towards a potential future revision of these three standards. The Subcommittee appreciated the progress made by the joint meeting towards the resolution of comments and alternate proposal received.

The project leader, Allen Krisiloff, and the SC 3/WG 1 convener, Peter Hartmann, will study the remaining issues and will report to the WG experts by 2012-01-31.

Target dates:	Report to WG experts by:	2012-01-31
	Submit new Working Draft by:	2012-05-31
	Discuss new Working Draft and comments at next meeting:	2012-09-30

## WG 3

### RESOLUTION 19 / 2011

#### Proceeding to publication of ISO 9022-1, "*Environmental test methods – Part 1: Definitions, extent of testing*" ISO 9022-22, "*Environmental test methods – Part 22: Combined cold, dry heat or temperature change with bump or random vibration*"

Noting the Draft International Standards have received 100 % approval of the P-members' voting and WG 3 having resolved all the comments received, the Subcommittee concluded to proceed to publication of the two standards, skipping the FDIS stage.

Target date: Submission of manuscripts for ISO 9022-1 and ISO 9022-22 to ISO CS by: 2011-10-31

### RESOLUTION 20 / 2011

#### Review and consolidation of ISO 9022-5, -18, -21 – Preliminary work on future ISO 9022-23, "*Environmental test methods – Part 23: Low pressure combined with cold, ambient temperature and dry or damp heat*"

On the recommendation by WG 3, the Subcommittee resolved to continue the preliminary work towards the consolidation of ISO 9022-5, -18 and -21 into one single shorter and more concise standard.

The Subcommittee further resolved to ask ISO CS to launch the Systematic Review of these three parts of ISO 9022 in early 2012, in order to receive any comments the P-members may have on them, for inclusion in the preliminary consolidation project.

Project leader: Norbert Wittekindt (Germany)

Target dates:	Ask ISO CS to launch a Systematic Review of ISO 9022-5, -18 and -21 on	2012-01-15
	Activate the preliminary consolidation project at the next meeting:	2012-09-30

#### **RESOLUTION 21 / 2011**

##### **Swiss proposal for ISO 10109 series "*Environmental requirements*"**

##### **Preliminary work on consolidation of ISO 10109 all parts into one single shorter and more concise standard**

On the recommendation by WG 3, the Subcommittee resolved to start preliminary work towards the consolidation of the various parts of ISO 10109 series. Wolfgang Hardegen, Switzerland, will serve as the project leader.

The Subcommittee further resolved to instruct ISO CS to launch Systematic Review of those parts of the standards series which have not been reviewed recently in order to include any eventual comments in the consolidated project.

Noting that ISO 10109-4 is the responsibility of ISO/TC 172/SC 4, the Subcommittee resolved to kindly invite SC 4 to join in the consolidation project, if they so wish. Otherwise, we will establish an information exchange to enable SC 4 to follow the consolidation project.

Project leader: Wolfgang Hardegen (Switzerland)

Target dates: Ask ISO CS to launch a Systematic Review of ISO 10109-1, -6, -8 and -12 on 2012-01-15  
Activate the preliminary consolidation project at the next meeting: 2012-09-30

#### **WG 4**

#### **RESOLUTION 22 / 2011**

##### **Corrections to proof copy ISO/FDIS 25297-2 "*Electronic exchange of optical data – Part 2: Mapping to the classes' and properties' defined in ISO 23584*"**

The Subcommittee followed the recommendation by WG 4 that the corrections to ISO/FDIS 25297-2 shall be incorporated during the proof reading process. The project leader, Junji Kamikubo, was entrusted with compiling these corrections and providing them to the Secretariat.

Project leader: Junji Kamikubo

Target date: Submission of proof corrections to ISO CS by: 2011-11-11

#### **RESOLUTION 23 / 2011**

##### **2012 Systematic Review**

The Subcommittee resolved to request ISO Central Secretariat to modify the default voting timeframe for the Systematic Review in a way to launch the 2012 Systematic Review of all SC 1 standards on 2012-01-15, for P-members' voting by 2012-06-15.

#### **RESOLUTION 24 / 2011**

##### **Next meeting**

The Subcommittee appreciated the invitation expressed by Switzerland to hold its next meeting including meetings of the working groups in St. Gallen/Switzerland at the end of October or early November 2012.

The Subcommittee would appreciate to have additional collocated meetings with the working groups of ISO/TC 172/SC 3.