



[ISO/TC 130](#)

Graphic technology

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Secretariat: DIN

**Secretariat Report to 23rd Plenary 2009-09-26**

Date of document 2009-08-27

Expected action Info

**Background**

This document will be discussed at the 23rd ISO/TC 130 Plenary meeting in Beijing, CN, under item 6 on the agenda (ISO/TC 130 N 1476 refers). The report covers the time span since the 22nd Plenary meeting in Amstelveen, NL, (2008-09-26) until 2009-08-26.

**Secretariat Report  
to the 23<sup>rd</sup> meeting of ISO/TC 130 Graphic technology  
in Beijing, China, 2009-09-26**

**1. Scope of ISO/TC 130 Graphic technology**

*Standardization of terminology, test methods and specifications in the field of printing and graphic technology from the original provided to finished products.*

*The scope includes in particular:*

- *composition*
- *reproduction*
- *printing process*
- *finishing (for example binding)*
- *suitability of inks, substrates and other materials used in graphic technology*

**Note:** *Printing is defined here as a process of reproduction involving the transfer of a medium either coloured or not (ink etc.) to a substrate, using a relief, planographic, intaglio, stencil or other image element.*

**2. Committee structure and personnel**

**2.1. ISO/TC 130**

**Note:** The committee numbers are hyperlinked to the working areas on ISO- and DIN-Livelink, respectively.

**Note:** All officers of ISO/TC 130 can be contacted via the ISO/TC 130 Secretariat, see details below.

<b>Number</b>	<b>Title</b>	<b>Personnel</b>
<a href="#">ISO/TC 130</a>	Graphic technology	Chairman: Dr. Uwe Bertholdt, DE Secretary: Mr. Cord Wischhöfer, DE <sup>1</sup>
<a href="#">ISO/TC 130/WG 1</a>	Terminology	Convenor: Ms. Barbara Horn, GB Secretary: N.N
<a href="#">ISO/TC 130/WG 2</a>	Prepress data exchange	Convenor: Mr. David Q. McDowell, US Secretary: Ms. Mary Abbott, US
<a href="#">ISO/TC 130/WG 3</a>	Process control and related metrology	Convenor: Mr. Andreas Kraushaar, DE Secretary: Ms Karin Winkelmann, DE
<a href="#">ISO/TC 130/WG 4</a>	Media and materials	Convenor: Dr. Uwe Bertholdt, DE Secretary: Ms Karin Winkelmann, DE
<a href="#">ISO/TC 130/WG 5</a>	Ergonomics/Safety	Convenor: Mr. William K. Smythe, US Secretary: Ms. Mary Abbott, US
<a href="#">ISO/TC 130/WG 6</a>	Certified reference materials (stand by; Joint WG with ISO/TC 42)	Convenor: Mr. David Q. McDowell, US Secretary: Ms. Mary Abbott, US
<a href="#">ISO/TC 130/WG 7</a>	Colour management (Joint WG with ICC)	Convenor: N.N. Secretary: ANSI, US
<a href="#">ISO/TC 130/JWG 8</a>	Revision of ISO 13655 (Joint WG with ISO/TC 42)	Convenor: Mr. Andreas Kraushaar, DE Secretary: Ms Karin Winkelmann, DE
<a href="#">ISO/TC 130/WG 9</a>	Development of ISO 12640-5 (Joint WG with ISO/TC 42)	Convenor: Mr David Q. McDowell, US Secretary: Ms. Mary Abbott, US

<sup>1</sup>Address of ISO/TC 130 Secretariat

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## 2.2. Joint working groups with ISO/TC 130 participation under other ISO technical committees

Number	Title	Personnel
ISO/TC 6/SC 2/ WG 39	Printability testing (Joint WG ISO/TC 6/SC 2 and ISO/TC 130)	Convenor: Wilco de Groot, NL Secretary: N.N
ISO/TC 42/WG 21	Density measurements (Revision of ISO 5 series) (Joint WG ISO/TC 42 and ISO/TC 130)	Convenor: David Q. McDowell, US Secretary: James A. Peyton, US
ISO/TC 42/WG 22	Colour management (Joint WG IEC/TC 100, ISO/TC 42 and ISO/TC 130)	Convenor: Scott Foshee, US; Jack Holm, US Secretary: James A. Peyton, US
ISO/TC 42/WG 23	Extended colour encodings for digital image storage, manipulation and interchange (Joint WG ISO/TC 42, ISO/TC 130 and CIE)	Convenor: Scott Foshee, US Secretary: James A. Peyton, US
ISO/TC 42/WG 24	Revision of ISO 3664 Viewing conditions (Joint WG ISO/TC 42 and ISO/TC 130)	Convenor: Philip Wychorski, US Secretary: James A. Peyton, US
ISO/TC 171/SC 2/ WG 5	Document management applications - Application issues - PDF/A (Joint WG ISO/TC 171/SC 2, ISO/TC 42, ISO/TC 46/SC 11 and ISO/TC 130)	Convenor: Stephen Levenson, US Secretary: N.N.

## 3. Membership of ISO/TC 130

<b>P-members</b>	<b>19 countries (up 2 from 2008)</b> Austria (ON), Belgium (NBN), Brazil (ABNT), China (SAC), Finland (SFS), France (AFNOR), Germany (DIN), Italy (UNI), Japan (JISC), Kenya (KEBS), Netherlands (NEN), Russian Federation (GOST R), Spain (AENOR), Sweden (SIS), Switzerland (SNV), Thailand (TISI), Ukraine (DSSU), United Kingdom (BSI), United States (ANSI)
<b>O-members</b>	<b>20 countries (down 1 from 2008)</b> Argentina (IRAM), Australia (SA), Croatia (HZN), Cuba (NC), Czech Republic (CNI), Egypt (EOS), Estonia (EVS), Finland (SFS), Hungary (MSZT), India (BIS), Indonesia (BSN), Ireland (NSAI), Korea, Democratic People's Republic (CSK), Korea, Republic of (KATS), Mongolia (MASM), Poland (PKN), Portugal (IPQ), Romania (ASRO), Serbia (ISS), Tunisia (INNORPI), Turkey (TSE)
<b>Changes</b>	Denmark (DS) ceased being an O-member. Romania (ASRO) became an O-member. Finland (SFS) changed its status to P-member. Kenya (KEBS) joined the TC as a P-member.

**Note:** Contacts for all ISO member bodies are given on the ISO Website in the section [ISO Members](#).

## 4. Liaisons

### 4.1. Other ISO and IEC committees in liaison

Committee	ISO/TC 130 Contact person	Committee	ISO/TC 130 Contact person
TC 6	B. Sunderland	TC 171	D. McDowell, B. Mortara
TC 6/SC 2	U. Bertholdt	TC 211	N.N
TC 35/SC 9	U. Bertholdt	JTC 1/SC 28	A. Kraushaar
TC 38/SC 1	R. Cheydleur	JTC 1/SC 29	A. Kraushaar
TC 42	H. Urabe	IEC/TC 100	D. Rich

## 4.2. International organizations in liaison

Abbreviation	Name	Contact person
CEPE	European Confederation of Paint, Printing Ink and Artist's Colours Manufacturers Association	P. Keymolen
CIE	International Commission on Illumination	P. Martina
ECMA/TC 46	ECMA International / Technical Committee 46 XML Paper Specification	M. Bailey
ERA	European Rotogravure Association	G. Battrick
ICC	International Colour Consortium	K. Smythe
IFRA	INCA-FIEJ Research Association	B. Beckmann, R. Thees

## 5. Meetings

Between 2008-09 and 2009-09 the following meetings of ISO/TC 130, its working groups and joint working groups under the administrations of other TCs were held (and will be held). Meetings of Task Forces etc. are not listed.

Meeting	Date(s)	Location
22 <sup>nd</sup> TC Plenary	2008-09-26	Amstelveen, Netherlands
WG 1	2009-05-18/20	Ft. Worth, United States
WG 1	2009-09-21/25	Beijing, China
WG 2	2008-09-25	Amstelveen, Netherlands
WG 2	2009-05-18	Ft. Worth, United States
WG 2	2009-09-21/22	Beijing, China
WG 3	2008-09-23/24	Amstelveen, Netherlands
WG 3	2009-05-18/20	Ft. Worth, United States
WG 3	2009-09-22/25	Beijing, China
WG 4	2008-09-22	Amstelveen, Netherlands
WG 4	2009-05-18	Ft. Worth, United States
WG 4	2009-09-21	Beijing, China
WG 5	2008-09-22/25	Amstelveen, Netherlands
WG 5	2009-06-02/04	Portland, Oregon, United States
JWG 7	2009-03-06	Paris, France
JWG 8	2008-09-22	Amstelveen, Netherlands
JWG 8	2009-05-16	Ft. Worth, United States
WG 9	2008-09-26	Amstelveen, Netherlands
WG 9	2009-05-16	Ft. Worth, United States
WG 9	2009-09-21	Beijing, China
ISO/TC 6/SC 2/JWG 39	2009-05-18	Ft. Worth, United States
ISO/TC 6/SC 2/JWG 39	2009-11-17	Berlin, Germany
ISO/TC 42/JWG 21	2008-09-26	Amstelveen, Netherlands
ISO/TC 42/JWG 24	2008-09-29	Cologne, Germany

## 6. List of published ISO/TC 130 standards

Here all 66 standards and other deliverables of ISO/TC 130 are listed which are valid as of the date of circulation of this report. The ISO Central Secretariat publishes [this list](#) - updated on a daily basis with data from ISO project database – on its Website on the [pages giving general information on ISO/TC 130](#).

Eight standards were published since the last Plenary Meeting of ISO/TC 130 in Amstelveen, Netherlands, 2008-09-26. The corresponding rows in the table below are shaded to make these documents easily recognizable. Note that all standard numbers are hyperlinked. Clicking on them will take you to the bibliographical information of the standard on the ISO Website.

<b>Standard number : Date</b>	<b>Title</b>
<a href="#">ISO 2834-1:2006</a>	Graphic technology -- Laboratory preparation of test prints -- Part 1: Paste inks
<a href="#">ISO 2834-2:2007</a>	Graphic technology -- Laboratory preparation test prints -- Part 2: Liquid printing inks
<a href="#">ISO 2834-3:2008</a> Publication date: 2008-12-15	Graphic technology -- Laboratory preparation of test prints -- Part 3: Screen printing inks
<a href="#">ISO 2836:2004</a>	Graphic technology -- Prints and printing inks -- Assessment of resistance of prints to various agents
<a href="#">ISO 2846-1:2006</a>	Graphic technology -- Colour and transparency of printing ink sets for four-colour printing -- Part 1: Sheet-fed and heat-set web offset lithographic printing
<a href="#">ISO 2846-2:2007</a>	Graphic technology -- Colour and transparency of printing ink sets for four-colour printing -- Part 2: Coldset offset lithographic printing
<a href="#">ISO 2846-3:2002</a>	Graphic technology -- Colour and transparency of printing ink sets for four-colour-printing -- Part 3: Publication gravure printing
<a href="#">ISO 2846-4:2000</a>	Graphic technology -- Colour and transparency of printing ink sets for four-colour-printing -- Part 4: Screen printing
<a href="#">ISO 2846-5:2005</a>	Graphic technology -- Colour and transparency of printing ink sets for four-colour printing -- Part 5: Flexographic printing
<a href="#">ISO 5776:1983</a>	Graphic technology -- Symbols for text correction
<a href="#">ISO/TS 10128:2009</a> Publication date: 2009-07-01	Graphic technology -- Methods of adjustment of the colour reproduction of a printing system to match a set of characterization data
<a href="#">ISO 11084-1:1993</a>	Graphic technology -- Register systems for photographic materials, foils and paper -- Part 1: Three-pin systems
<a href="#">ISO 11084-2:2006</a>	Graphic technology -- Register systems for photographic materials, foils and paper -- Part 2: Register pin systems for plate making
<a href="#">ISO 12040:1997</a>	Graphic technology -- Prints and printing inks -- Assessment of light fastness using filtered xenon arc light
<a href="#">ISO 12218:1997</a>	Graphic technology -- Process control -- Offset platemaking
<a href="#">ISO 12634:1996</a>	Graphic technology -- Determination of tack of paste inks and vehicles by a rotary tackmeter
<a href="#">ISO 12635:2008</a> Publication date: 2008-12-01	Graphic technology -- Plates for offset printing -- Dimensions
<a href="#">ISO 12636:1998</a>	Graphic technology -- Blankets for offset printing
<a href="#">ISO 12637-1:2006</a>	Graphic technology -- Vocabulary -- Part 1: Fundamental terms

<b>Standard number : Date</b>	<b>Title</b>
<a href="#">ISO 12637-2:2008</a> Publication date: 2008-12-15	Graphic technology -- Vocabulary -- Part 2: Prepress terms
<a href="#">ISO 12637-3:2009</a> Publication date: 2009-04-15	Graphic technology -- Vocabulary -- Part 3: Printing terms
<a href="#">ISO 12637-4:2008</a>	Graphic technology -- Vocabulary -- Part 4: Postpress terms
<a href="#">ISO 12639:2004</a>	Graphic technology -- Prepress digital data exchange -- Tag image file format for image technology (TIFF/IT)
<a href="#">ISO 12639:2004/Amd 1:2007</a>	Use of JBIG2-Amd2 compression in TIFF/IT
<a href="#">ISO 12640-1:1997/Cor 1:2004</a>	
<a href="#">ISO 12640-1:1997</a>	Graphic technology -- Prepress digital data exchange -- Part 1: CMYK standard colour image data (CMYK/SCID)
<a href="#">ISO 12640-2:2004</a>	Graphic technology -- Prepress digital data exchange -- Part 2: XYZ/sRGB encoded standard colour image data (XYZ/SCID)
<a href="#">ISO 12640-2:2004/Cor 1:2008</a> Publication date: 2008-11-15	
<a href="#">ISO 12640-3:2007</a>	Graphic technology -- Prepress digital data exchange -- Part 3: CIELAB standard colour image data (CIELAB/SCID)
<a href="#">ISO 12641:1997</a>	Graphic technology -- Prepress digital data exchange -- Colour targets for input scanner calibration
<a href="#">ISO 12642-1:1996/Cor 1:2005</a>	
<a href="#">ISO 12642-1:1996</a>	Graphic technology -- Input data for characterization of 4-colour process printing -- Part 1: Initial data set
<a href="#">ISO 12642-2:2006</a>	Graphic technology -- Input data for characterization of 4-colour process printing -- Part 2: Expanded data set
<a href="#">ISO 12643-1:2007</a>	Graphic technology -- Safety requirements for graphic technology equipment and systems -- Part 1: General requirements
<a href="#">ISO 12643-2:2007</a>	Graphic technology -- Safety requirements for graphic technology equipment and systems -- Part 2: Press equipment and systems
<a href="#">ISO 12643-3:2008</a>	Graphic technology -- Safety requirements for graphic technology equipment and systems -- Part 3: Binding and finishing equipment and systems
<a href="#">ISO 12644:1996</a>	Graphic technology -- Determination of rheological properties of paste inks and vehicles by the falling rod viscometer
<a href="#">ISO 12645:1998</a>	Graphic technology -- Process control -- Certified reference material for opaque area calibration of transmission densitometers
<a href="#">ISO 12646:2008</a>	Graphic technology -- Displays for colour proofing -- Characteristics and viewing conditions
<a href="#">ISO 12647-1:2004</a>	Graphic technology -- Process control for the production of half-tone colour separations, proof and production prints -- Part 1: Parameters and measurement methods
<a href="#">ISO 12647-2:2004</a>	Graphic technology -- Process control for the production of half-tone colour separations, proof and production prints -- Part 2: Offset lithographic processes
<a href="#">ISO 12647-2:2004/Amd 1:2007</a>	
<a href="#">ISO 12647-3:2005</a>	Graphic technology -- Process control for the production of half-tone colour separations, proofs and production prints -- Part 3: Coldset offset lithography on newsprint

**Standard number : Date****Title**[ISO 12647-4:2005](#)

Graphic technology -- Process control for the production of half-tone colour separations, proofs and production prints -- Part 4: Publication gravure printing

[ISO 12647-5:2001](#)

Graphic technology -- Process control for the manufacture of half-tone colour separations, proof and production prints -- Part 5: Screen printing

[ISO 12647-6:2006](#)

Graphic technology -- Process control for the production of half-tone colour separations, proofs and production prints -- Part 6: Flexographic printing

[ISO 12647-7:2007](#)

Graphic technology -- Process control for the production of half-tone colour separations, proof and production prints -- Part 7: Proofing processes working directly from digital data

[ISO 13655:1996](#)

Graphic technology -- Spectral measurement and colorimetric computation for graphic arts images

[ISO 13656:2000](#)

Graphic technology -- Application of reflection densitometry and colorimetry to process control or evaluation of prints and proofs

[ISO/TR 14672:2000](#)

Graphic technology -- Statistics of the natural SCID images defined in ISO 12640

[ISO 14981:2000](#)

Graphic technology -- Process control -- Optical, geometrical and metrological requirements for reflection densitometers for graphic arts use

[ISO 15076-1:2005](#)

Image technology colour management -- Architecture, profile format and data structure -- Part 1: Based on ICC.1:2004-10

[ISO 15790:2004](#)

Graphic technology and photography -- Certified reference materials for reflection and transmission metrology -- Documentation and procedures for use, including determination of combined standard uncertainty

[ISO/TR 15847:2008](#)

Publication date: 2008-10-15

Graphic technology -- Graphical symbols for printing press systems and finishing systems, including related auxiliary equipment

[ISO 15930-1:2001](#)

Graphic technology -- Prepress digital data exchange -- Use of PDF -- Part 1: Complete exchange using CMYK data (PDF/X-1 and PDF/X-1a)

[ISO 15930-3:2002](#)

Graphic technology -- Prepress digital data exchange -- Use of PDF -- Part 3: Complete exchange suitable for colour-managed workflows (PDF/X-3)

[ISO 15930-4:2003](#)

Graphic technology -- Prepress digital data exchange using PDF -- Part 4: Complete exchange of CMYK and spot colour printing data using PDF 1.4 (PDF/X-1a)

[ISO 15930-6:2003](#)

Graphic technology -- Prepress digital data exchange using PDF -- Part 6: Complete exchange of printing data suitable for colour-managed workflows using PDF 1.4 (PDF/X-3)

[ISO 15930-7:2008](#)

Graphic technology -- Prepress digital data exchange using PDF -- Part 7: Complete exchange of printing data (PDF/X-4) and partial exchange of printing data with external profile reference (PDF/X-4p) using PDF 1.6

[ISO 15930-8:2008](#)

Graphic technology -- Prepress digital data exchange using PDF -- Part 8: Partial exchange of printing data using PDF 1.6 (PDF/X-5)

[ISO 15994:2005](#)

Graphic technology -- Testing of prints -- Visual lustre

**Standard number : Date**[ISO/TR 16044:2004](#)**Title**

Graphic technology -- Database architecture model and control parameter coding for process control and workflow (Database AMPAC)

[ISO/TR 16066:2003](#)

Graphic technology -- Standard object colour spectra database for colour reproduction evaluation (SOCS)

[ISO 16612-1:2005](#)

Graphic technology -- Variable printing data exchange -- Part 1: Using PPML 2.1 and PDF 1.4 (PPML/VDX-2005)

[ISO 28178:2009](#)

Publication date: 2009-03-15

Graphic technology -- Exchange format for colour and process control data using XML or ASCII text

## 7. ISO/TC 130 Programme of work

This programme of work of ISO/TC 130 – taken from the ISO/CS Project database is valid as of the date of circulation of this report. The ISO Central Secretariat publishes a [list of projects of ISO/TC 130](#) - updated on a daily basis by the ISO project database – on its Website on the [pages giving general information on ISO/TC 130](#).

**Note:** Preliminary work items are listed here but not on the ISO Website since ISO only publishes information from the stage of approved work item onwards. This list is sorted by a) Committee, b) Current Stage and c) Reference.

Committee	Reference	Document title	Reg. date	Crnt stage	Stage date	Limit date	Time frame
ISO/TC 130	ISO/PWI 17972	Graphic technology -- Colour data exchange using CxF		00.00	2008-12-10		
ISO/TC 130	ISO/NP 14298	Graphic technology-management of security printing processes		10.20 (Start date: 2009-06-05 End date: 2009-09-06)	2009-06-05		
ISO/TC 130	ISO/AWI 12705	Graphic technology -- Laboratory test method for chemical ghosting in lithography	2008-03-31	20.00	2008-03-31	2010-03-31	48
ISO/TC 130/WG 1	ISO/NP 5776	Graphic technology -- Symbols for text correction		10.60	2009-07-16		
ISO/TC 130/WG 2	ISO/DIS 16612-2	Graphic technology -- Variable data exchange -- Part 2: Using PDF/X-4 and PDF/X-5 (PDF/VT-1 and PDF/VT-2)	2007-09-21	40.20 (Start date: 2009-08-14 End date: 2010-01-15)	2009-08-14	2011-03-21	48
ISO/TC 130/WG 2	ISO/DIS 12640-4	Graphic technology -- Prepress digital data exchange -- Part 4: Wide gamut display-referred standard colour image data [Adobe RGB (1998)/SCID]	2008-11-12	40.60	2009-06-14	2010-05-12	24
ISO/TC 130/WG 3	ISO/PWI 12647	Planned revision of ISO 12647-1 to -7		00.00	2007-11-09		
ISO/TC 130/WG 3	ISO/NP 12647-8	Graphic technology -- Process control for the manufacture of half-tone colour separation, proofs and production prints -- Part 8: Validation printing processes working directly from digital data		10.20 (Start date: 2009-06-05)	2009-06-05		

Committee	Reference	Document title	Reg. date	Crnt stage	Stage date	Limit date	Time frame
ISO/TC 130/WG 3	ISO/NP 12647-6	Graphic technology -- Process control for the production of half-tone colour separations, proofs and production prints -- Part 6: Flexographic printing		10.20 (Start date: 2009-08-13 End date: 2009-11-14)	2009-08-13		36
ISO/TC 130/WG 3	ISO/NP 14861	Requirements for colour proofing systems using electronic displays		10.20 (Start date: 2009-08-17)	2009-08-17		36
ISO/TC 130/WG 3	ISO 12646:2008/DAmD 1	Graphic technology -- Displays for colour proofing - - Characteristics and viewing conditions -- Amendment 1	2009-05-04	40.20 (Start date: 2009-08-21 End date: 2010-01-22)	2009-08-21	2011-11-04	36
ISO/TC 130/WG 4	ISO/PWI 12632	Graphic technology -- Prints and printing inks -- Assessment of penetrability, detachment and resistance of printed labels to hot alkaline solution		00.00	1999-03-31		
ISO/TC 130/WG 5	ISO/CD 12643-3	Graphic technology -- Safety requirements for graphic technology equipment and systems -- Part 3: Binding and finishing equipment and systems	2009-03-13	30.99	2009-03-13	2010-09-13	36
ISO/TC 130/WG 5	ISO/CD 12643-5	Graphic technology - Safety requirements for graphic technology equipment and systems -- Part 5: Stand-alone platen presses	2009-05-04	30.99	2009-05-04	2010-11-04	36
ISO/TC 130/WG 5	ISO/DIS 12643-2	Graphic technology -- Safety requirements for graphic technology equipment and systems -- Part 2: Press equipment and systems	2009-03-13	40.20 (Start date: 2009-08-21 End date: 2010-01-22)	2009-08-21	2011-09-13	36
ISO/TC 130/WG 5	ISO/PRF 12643-1	Graphic technology -- Safety requirements for graphic technology equipment and systems -- Part 1: General requirements	2008-08-12	50.00	2009-07-09		24
ISO/TC 130/WG 5	ISO/PRF 12643-4	Graphic technology -- Safety requirements for graphic technology equipment and systems -- Part 4: Converting equipment and systems	2008-08-12	50.00	2009-08-24		24

Committee	Reference	Document title	Reg. date	Crnt stage	Stage date	Limit date	Time frame
ISO/TC 130/WG 7	ISO/DIS 15076-1	Image technology colour management -- Architecture, profile format and data structure -- Part 1: Based on ICC.1:2004-10	2009-06-23	40.20 (Start date: 2009-07-24 End date: 2009-12-25)	2009-07-24	2011-12-23	36
ISO/TC 130/WG 8	ISO/DIS 13655.2	Graphic technology -- Spectral measurement and colorimetric computation for graphic arts images	2006-08-16	40.99	2009-08-20	2010-02-16	48
ISO/TC 130/WG 9	ISO/PWI 12640-5	Graphic technology -- Prepress digital data exchange -- Part 5: Scene-referred standard colour image data (RIMM/SCID)		00.00	2006-10-06		