



ISO/TC 130 N 1288

[ISO/TC 130](#)

Graphic technology

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Secretariat: DIN

Minutes WG4 Paris 17Apr08

Date of document 2008-05-06

Expected action Info

Minutes from ISO/TC 130 WG4 Meeting in Paris, France

18-April-2008

1 Opening of the meeting

at 09:00 by convenor Uwe Bertholdt.

2 Roll call of delegates

12 experts present, (attendants list attached).

3 Approval of the draft agenda

(Doc.: ISO TC 130/WG 4 N 444)

Approved with 1 addition, 11.1 shown below.

4 Approval of the minutes of last meeting

(Doc.: ISO TC 130/WG 4 N 429)

Approved as distributed

5 Action items from the last meeting

(Doc.: ISO TC 130/WG 4 N 429)

06-07 Battrick was to obtain information on ink colors for 2846-3 Gravure. **Open.**

06-11 deGroot – to transform WD 20101 into a Technical Report. Measurement variations have been confirmed by a second lab and the report can now progress. Report to be completed by fall meeting. **Open.**

07-03 Takahashi to supply black substrate for coldset ink testing. **Closed.** Paper no longer available.

07-04 Beckman to follow up on report from Takahashi. **Closed.**

07-05 Green. **Closed** To be addressed by J. Davidson.

07-06 Bertholdt, deGroot – DIS procedure started and ballot is out due to close 22 April. **Closed.**

07-07 Bertholdt – Completed and now **Closed.** Ballot due to close 22 April.

6 Identification of new documents

no new documents

7 Report of the convenor on activities since the last meeting

ISO 2834-2 published in Dezember; DIS-Votes ISO 12635 and ISO 2834-3 terminates 22.4.2008; Systematic review ISO 2846-5 (ink set for flexography); ISO 15994 (visual lustre)

8 Projects

8.1 ISO/DIS 2834rev Graphic technology — Test print preparation for printing inks – Part 3: Screen inks

(Doc.: ISO TC 130/WG 4 N 434)

Written comments have been submitted from US and verbal comments from UK (J. Davidson). Resolution of comments see N 452

US-1 is accepted.

UK -1 comments that water based screen inks are omitted from the introduction – Accepted. Introduction to be edited.

US-2 proposed revision of the introduction. Accepted with one editorial change and the changes recommended by UK. Question about whether 2 000 should have a space, full-stop or no character.

US-3 Scope editorial change accepted in principal as long as it is ISO accepted.

US-4 Scope – editorial change accepted in principal as above.

US-5 Scope – editorial change accepted in principal as above.

US-6 2 – Correction of title – accepted.

US-7 3.2 – Proposed change is accepted in principal, change to reflect “not in contact with the mesh”

US-8 3.3 – Accepted but discussed exactly what preposition to use.

US-8 3.4) – Accepted. Discussion about whether the term “rest” is appropriate for a liquid ink. UK suggested the term “reservoir”

US-9 3.5 – Accepted. But now wishes to add new term “mesh volume”.

US-10 3.6 – Accepted in principal. Replace the word “wire : with “threads”.

US-11 3.10 – Not accepted as there are two meanings of the term snap-off.

US-12 3.10 – Accepted. Change to “off-contact distance” UK suggested changing “on” to “onto” as well.

US-13 3.10 – Accepted.

US-14 3.11 – Not accepted. Definition is OK as the process is the screen printing process. UK suggests that the process involves pressing and scrapping the mesh not the forme. Also, the term “doctor” is not used but the device is a “revolving doctor”.

US-15 3.13 – Not accepted. UK suggests substituting the term “the mesh” for “it” when describing what is being made imperiable.

US-16 4.2 – Not accepted under authority of M. L. Palapat.

US-17 4.2.2 - Accepted in principal. Suggested to add text after 1. “To ensure constant quality of the test prints, printing formes have to be replaced from time to time. To identify the time of replacement ...”

US-18 4.2.4 – Accepted.

US-19 4.2.4 – Accepted in principal. Procedure necessary. Replace “Sample prints shall be prepared as described in 4.2.1 of 2846-4” by “Sample prints shall be prepared using a black ink and shall be performed in a way that a density of 1,5 ±0.3 is achieved.”

UK questions the use of a “black ink” that is not standardized.

US-20 4.3.1 – Not accepted under direction of M. L Palapat.

US-21 4.3.1.2 – Accepted. Note will be re-worded to make it clearer that multiple solvents may be used. Other wording changes were suggested by UK in the body of the paragraph, the “has to” verb is to be changed to “shall” and “viscosity to be applied “ to “required viscosity”.

US-22 5 – Accepted.

US-23 5 – Not Accepted. See 4.3.1 above. UK and committee feels that the text is adequate. But will move the sentence about homogenization to before the “Apply the required ...” sentence. UK suggests changing the prepare ink to Test Ready Ink to prepare the Test Ready Ink in accordance with definition. Also change “Before applying the ink, homogenize it without the introduction of air.”

US-24 5, para. 8 – Accepted.

US-25 5, para. 12 – Accepted. Change “evaluate” to “discard the first two prints and use the other three prints for assessments.”

US 26 6 – Not accepted.

General editorial comments were accepted except as noted below.

US 27 – Not accepted.

4.3.12 “add comma” is not accepted.

6 Not accepted see 4.3.1.

UK general comments: The practicality of putting this standard into practice depends on the wording of the standard. It currently requires a mechanized piece of equipment which are expensive. This cost may discourage screen printers from following this practice.

Bertholdt: printing pressure, printing speed, squeegee angle among others strongly determine print result – therefore mechanical device required. - Accepted

No further comments are expected so this will conclude the process.

Action Item 08-01– Bertholdt and deGroot to incorporate changes into the document and start FDIS-procedure.

8.2 ISO/DIS 12635rev Graphic technology – Plates for offset – Dimensions

(Doc.: ISO TC 130/WG 4 N 435)

Review of US comments. Resolution of comments see N 449

US1 – Accepted

US2 – Accepted

US3 – Accepted

US4 – Accepted

US5 2 – Accepted.

US6 2.7 – Accepted.

US7 3.1 – Accepted. Thailand objects to such a low temperature, desires to have a second temperature of 27° C but this suggestion was not accepted.

US8 3.2 – Accepted. Spelling error

US9 3.2 – Accepted Spelling error

US10 3.2 – Change of Table 2. Not accepted as this is a special application thickness of plates.

US11 3.4 – Not accepted – Waviness required only for self-feeding platesetters.

US12 3.4 – Not accepted.

US13 A.2.4 – Delete the text but keep the figure. Accepted.

US14 C.2.3 & C.2.4 – Accepted.

Action Item 08-02– Bertholdt to incorporate changes into the document and submit to ISO CS.

8.3 TR/WD 20101 Graphic technology – Determination of cell volumes

No input at this moment. Ongoing discussions between Gustavo Barros and Wilco deGroot. New document will be distributed for the next meeting

8.4 ISO 2846-2 Graphic technology – Colour and transparency of printing ink sets for four colour printing – Part 2: Cold-set lithographic printing (Doc.: ISO TC 130/WG 4 N 423)

Discussion about black substrate

New acceptable black paper shown by D. Rich. Fogra and IGT commented that they have used black printed APCO II/II IGT offers to be the world source for black paper.

Action Item 08-03 deGroot will test the black paper stock for transparency.
Action Item 08-04 D. Rich to supply details on the black paper and some samples of US Inks coldset ink. M. Masako to deliver japanese news-ink samples to deGroot for transparency testing.

8.5 NWI Proposal Chemical Ghosting

(Doc.: ISO TC 130/WG 4 N 438, 439, 442, 443)

A research report from Fogra was handed out. Test print samples and samples of the proposed visual reference were circulated during the meeting. A discussion of the methodology was held by Dr. Bertholdt. Question about the use of scanner based mottle analysis. Dr. Bertholdt indicated that these are gloss effects and should be capable of being analyzed by goniphotometry. "Simple" gloss- and colour measurement proofed to be inappropriate therefore preference to use a visual methodology. A lot of discussion about the effect of ghosting and whether a visual test method for ranking ghosting is useful. US opt for "any ghosting is inappropriate". Dr. Bertholdt indicates that the proposed graded scale helps an ink and paper makers to make improvements to their products.

Action Item 08-05 Dr. Bertholdt will revise the draft and will check if an objective measurement tool is available.

9 Future projects

None.

10 Requirements concerning a subsequent meeting

Estimate that only ½ day will be required in Amsterdam.

11 Any other business

11.1 ISO 2846-1

Discussion on ink film thickness determination.

German printing press device makers have reported that modern, high strength inks do not print well at low film weights. They request a “should” statement to restrict the range to 0,9 to 1,1 for oxidative setting colors and 0,9 to 1,3 for oxidative setting blacks.

Action Item 08-06 – D. Rich to survey NAPIM about this possibility and report at the next meeting, Matsuo Makamoto survey Japanese ink makers.



ISO/TC 130/WG 4 Media and materials

Attendance List

35th Meeting of ISO/TC 130/WG 4 on 2008-04-16, Paris


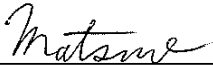
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Cheydleur, Raymond	US	
Cialone, Bruno	BR	
Claypole, Tim C. Dr.	GB	
Coleman, James E.	US	
da Costa P. N. da Luz, Maira	BR	
Cuenca, Ricardo	BR	
Daugherty, John	US	
Davison, J. W.	GB	<i>J. W. Davison</i> <i>Davison Chromographics / BSI</i>
Dieckhoff, Frank	DE	<i>Frank Dieckhoff</i> <i>FD @ bvdin-online.de</i>



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Name	Country	Signature
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Ford, Peter	US	
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Hansuebsai, Aran Prof. Dr.	TH	
Heid, Wilhelm	DE	
Horii, Mamoru	CH	
Katemake, Pichayada Dr.	TH	
Koopipat, Chawan Dr.	TH	
Kraushaar, Andreas	DE	
Matsuo, Masaaki	JP	Masaaki Matsuo 
McDowell, David Q.	US	
Meinecke, Karl M.	DE	



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Mortara, Bruno Arruda	CH BR	
Nanbu, Shuuichi	JP	
Nomura, Akihiro	CH	
Orf, Debbie	CH (US)	
Pachonklaew, Pakamas Prof.	TH	
Presley, Richard	CH US	
Rangel, Rose	BR	
Rich, Danny Dr.	US	<i>Danny Rich</i>
Rupyshev, Viktor	CH	
Ruttanasirimaneevate, Prajak	TH	
Scarpeta, Eudes	BR	
Schaul, Ronald Professor	DE	
Smiley, Steve	US	
Soares Stucchi, Aparecida	CH	
Steiger, Walter F. X.	CH	



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Name	Country	Signature
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Tao, Genji	JP	<i>Genji Tao</i>
Warter, Lawrence C.	US	
Widmer, Erwin	CH	
Zawacki, Walter F.	US	
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Abbott, Mary	US	
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