

**Minutes of the 26th Meeting of
ISO TC 130 WG 5**

**27-29 April 2010
Miami, Florida, USA**

1. Call to order / Introductions

Kip Smythe, Convener, called the meeting to order at 9:00 a.m. The following were in attendance and introduced themselves:

Kip Smythe, Convener	NPES	US
Mary Abbott, Consultant	NPES	US
Mark Anderson	Los Angeles Times	US
Klaus-Dieter Becker	BG Testing & Certification Body	Germany
Michael Ebert	BG Testing & Certification Body	Germany
Yuji Ishiga	Kormori	Japan
Fred Hayes	PMMI	US
Jeff Karch	QuadTech	US
George Karosas	Engineering Systems	US
Ray Kolata	Quad Graphics	US
Jack Jones	Goss International	US
Masaaki Matsuo	Toyo Ink/JPMA	Japan
Mike Niesen	Heidelberg USA	US
Michael Rehberg	Heidelberg	Germany
Ralf Renninghoff	BG Testing & Certification Body	Germany
Klaus Schwinn	manroland	Germany
Roger Starke	VDMA	Germany

2. Review agenda

The committee reviewed the draft agenda (N 488), which had been distributed prior to the meeting. The following items were added to the agenda:

- proposal from CEN/TC 198/WG 1 to merge EN 1010 and ISO 12643 (N 497)
- discussion of ISO 12643-1, 11.2 re remote access and remote control (N 495) – This was combined with the discussion of other issues to consider for a future version of ISO 12643-1 (N 489) into a separate agenda item.

The agenda was approved as revised.

3. Review minutes of the June 2009 meeting

The committee reviewed the minutes of the 2-4 June 2009 meeting (N 468), which was held in Portland, Oregon. There being no corrections, the minutes were approved as distributed.

4. Report on the status of ISO 12643-1 and ISO 12643-4

Ms. Abbott reported that ISO 12643-1:2009 and ISO 12643-4:2010 have been published. She noted that an important change made by the ISO editor was the handling of the effective date. After much

negotiation with the ISO editors, a compromise was reached in which the clause previously titled "Effective date" is now titled "Conformity with this part of ISO 12643". Language relating to the validity of the previous version (for Part 1) and to the intended effective date was put into the Foreword.

That language for ISO 12643-1 as follows:

It is the intent of ISO/TC 130 that both the first and second editions of ISO 12643-1 be applicable until 2010-12-31. ISO 12643-1:2007 is thus provisionally retained until this date. As from 2011-01-01, ISO 12643-1:2009 will cancel and replace ISO 12643-1:2007. Accordingly, as from 2011-01-01, only ISO 12643-1:2009 will be applicable to new equipment manufactured.

For ISO 12643-4, since this is the first edition, the language regarding the effective date is as follows:

It is the intent of ISO/TC 130 that this first edition of ISO 12643-4 become applicable to new equipment manufactured from 2011-01-01.

Other parts of the ISO 12643 series will be modified in the same way.

5. Review comments received on ballot of ISO/DIS 12643-2

The committee reviewed comments received on the ballot of ISO/DIS 12643-2, shown in TC130 N 1599. Each comment was discussed and the appropriate edits were made to the document.

An additional issue was raised by MAN Roland of Germany regarding allowing the use of a keypad or touch screen for the stop/safe function for sheetfed presses. ISO/CD 12643-2 contained wording to allow this (subclause 9.4), but the committee agreed at the last meeting, in response to a CD ballot comment, to remove this from the document. However, the issue was again raised, resulting in lengthy discussion. Concern was expressed that there is currently no known keypad or touch screen that incorporates the redundancy and other safety protections provided by the use of a pushbutton. However, many felt that this technology is under development and did not want to restrict its use if, in the future, such technology is available that provides an equivalent level of safety.

It was suggested that the following note be added: *Because of national requirements, the use of a keypad or touch screen for stop/safe control might not be allowed in all countries.*

The experts in attendance were polled regarding the proposal to reinsert wording to permit the use of a keypad or touch screen for the stop/safe function for sheetfed presses, with the addition of the above note. The vote was 14 in favor and 1 abstention.

Because this constitutes a minor technical change, the document will be circulated for FDIS vote.

6. Review comments received on ballot of ISO/DIS 12643-3

The committee reviewed comments received on the ballot of ISO/DIS 12643-3, shown in TC130 N 1626. Each comment was discussed and the appropriate edits were made to the document.

Because changes made to the document were not technically significant, the document will be prepared for publication.

7. Review comments received on ballot of ISO/DIS 12643-5

The committee reviewed comments received from the ballot of ISO/DIS 12643-5, shown in TC130 N 1628. Each comment was discussed and the appropriate edits were made to the document.

Additional comments were provided by e-mail by Mr. Jeffries of the UK during the meeting, since no UK expert was able to attend the meeting. Mr. Jeffries noted that they had voted to approve the DIS, but had not provided comments as part of their vote. The committee agreed to review the comments, taking action on those they could easily implement and deferring the remainder to the next revision of the standard.

Because changes made to the document were not technically significant, the document will be prepared for publication.

8. Issues relating to ISO 12643-1:2009

8a. QuadTech report relating to 11.2 re remote access and remote control

Mr. Karch and Mr. Kolata reported that as a result of trying to implement ISO 12643-1, they discovered an issue with 11.2 relating to remote access and remote control (N 495).

The standard does not differentiate between remote access and remote control, each of which has different applications and requirements as they relate to safety.

They reported that they had spoken with several manufacturers of control equipment and circuitry and had found that none were able to meet the safety requirements for remote access, including redundancy, safety signaling, etc.

The committee discussed this at length and agreed that the standard needs to differentiate between remote control and remote access. They agreed that the requirements of IEC 60204-1, 9.2.7 (Cableless control) are relevant, and should be reference in ISO 12643-1. They also agreed that this reference should be supplemented by additional requirements currently in ISO 12643-1, 11.2.1 and 11.2.2. They reviewed the wording currently in 11.2.1 and 11.2.2, identifying those parts that should be retained for inclusion in a revised clause addressing "cableless control" (in place of the current "remote control").

It was also agreed that because there are technical issues relating to remote access that have not yet been resolved, a definition of "remote access" would be added to Clause 3, and a separate clause for remote access would be created to state the following: *Due to the complex nature of remote access (see 3.x), protocols shall be agreed to between the parties involved to ensure the integrity of the safety system.*

Ms. Abbott will prepare an initial draft of the revised document to incorporate proposed changes agreed to at this meeting and will circulate the document to WG5 experts for 60-day review of the entire draft, including existing requirements that were not discussed at this meeting.

The committee unanimously agreed that the secretary should initiate a New Work Item ballot to revise ISO 12643-1:2009.

8b. Other issues for ISO 12643-1

The committee addressed other issues identified over time for consideration for a revision of ISO 12643-1 (N 489). As a result of discussion, it was agreed that the only change from this list that is needed is to remove the exception from 14.2.3 that would allow a permissive period of 12 seconds. This exception was added to ISO 12643-2 as the result of review of ballot comments at this meeting, since it only applies to presses.

It was also noted that a U.S. comment received during DIS ballot of ISO 12643-1 included a proposed table to "a suggestion for how to alternatively represent the transition requirements for the warning system as the machine transitions between different states". This applies 14.2.3 (Table 7) and C.6 (Table C.1). At the time the committee addressed the ballot comments, they agreed to defer this proposal for consideration at the next revision. Ms. Abbott will circulate the proposal to the committee for review and consideration as part of this revision process.

9. Merger of EN 1010 and ISO 12643

Mr. Smythe noted a letter he had received from Mr. Starke, Secretary of CEN/TC 198, indicating the desire of CEN/TC 198 WG 1 to investigate the merger of the ISO 12643 and EN 1010 standards (N 497). Mr. Stark explained that TC 198 WG 1 has been working for some time to harmonize EN 1010 with ISO 12643, and feels the work is getting close enough to allow for merger and issuance with the dual EN/ISO designation. He noted that this will ultimately require the approval of CEN and may necessitate changes to the documents to ensure they meet the requirements of ISO Guide 78, *Safety of machinery — Rules for drafting and presentation of safety standards*.

The committee applauded this move and endorsed this effort. We will work closely with CEN TC 198 to accomplish this.

MOTION: TC 130 WG 5 endorses the recommendation of CEN/TC 198/WG 1, as conveyed in their letter of 21 April 2010, with great excitement. The motion was unanimously approved.

9. Other business

9a. Report on status of merger of ISO 13849-1 and IEC 62601

Mr. Dieter-Becker reported that a study group will be formed to determine how to merge the two standards and their requirements. This group will begin their work next year. In the meantime, work continues on ISO 13849-2.

9b. Report on status of the revision of EN 1010 standards

Mr. Starke provided the report shown below on the status of the EN 1010 standards, *Safety of machinery – Safety requirements for the design and construction of printing and paper converting machines*.

<p>EN 1010-1:2004 Common requirements</p>	<p>Amendment taking account of the new Machinery Directive 2006/42/EC: Second submission at end of 2009/ January 2010, positive assessment by CEN consultants in mid-February, delay and several revisions due to formal objections by the CEN consultants, publication in autumn 2010 at the earliest;</p> <p>UAP (Unique Acceptance Procedure) commences on 29 April – ends on 29/9/2010, German translation is in progress.</p> <p>The Amendment is primarily an adaptation to the standards related to control systems (ISO 13849-1, EN 62061), an up-dating of normative references, additions regarding information for use and captive fasteners used in fixed guards.</p> <p>Parallel preparation of a new draft into which contents of ISO 12643-1 are being incorporated. Publication of the revision is expected by the end of 2010 or early 2011.</p>
<p>EN 1010-2:2006 Printing and varnishing machines including pre-press machinery</p>	<p>The Amendment taking into account the new Machinery Directive was submitted to the acceptance procedure on 17 December 2009 (end of UAP: 17 May 2010). Publication probably in Q4/2010.</p> <p>The Amendment is primarily an adaptation to the standards related to control systems (ISO 13849-1, EN 62061), an up-dating of normative references and an addition of an Annex A for emission values.</p> <p>Parallel preparation of a new draft following ISO 12643-2. Publication of the revision is expected by the end of 2010 or early 2011.</p>
<p>EN 1010-3:2002+A1:2009 Cutting machines</p>	<p>The amended version was listed in the Official Journal of the EU in December under New Machinery Directive 2006/42/EC.</p> <p>Only the reference to EN 1010-1+A1 was up-dated.</p>
<p>EN 1010-4:2004+A1:2009 Bookbinding, paper converting and finishing machines</p>	<p>The amended version was listed in the Official Journal of the EU under New Machinery Directive 2006/42/EC.</p> <p>Only the reference to EN 1010-1+A1 was up-dated.</p>
<p>EN 1010-5:2005 Machines for the production of corrugated board and machines for the conversion of flat and corrugated board</p>	<p>Due to formal objections from UK, the requirements on platen presses were adapted to the contents of ISO/DIS 12643-5; the Amendment was submitted to the acceptance procedure on 21 December; still ongoing discussion of necessary adaptations with the CEN consultants; if a positive assessment is obtained, publication can be expected in autumn 2010 at the earliest, further comments provided by UK on 26th April 2010.</p>

He also reported on the status of EN 13023, *Noise measurement methods for printing, paper converting, paper making machines and auxiliary equipment - Accuracy grades 2 and 3*. He noted that an amendment was prepared to take into account the requirements of the new Machinery Directive. UAP (Unique Acceptance Procedure) ended on 6 January 2010. The consolidated English version was completed the end of January, with publication of the national versions expected by the end of June

10. Date and location of next meeting

Future meetings will be decided at a later date, based on comments received on the review of the proposed revision of ISO 12643-1.

The committee expressed its thanks to NPES for hosting the meeting.

There being no further business, the meeting was adjourned.