



**Minutes of Combined meeting of  
CEN/TC 289/WG 1, WG 2 and WG 3  
IULTCS IUC, IUP and IUF Commissions**

**PFI Test & Research Institute Pirmasens  
Marie-Curie-Strasse 19  
66953 Pirmasens, Germany**

**7th September, 2010**

**(Next meeting: 15<sup>th</sup> March 2011 at UNIC, via Brisa 3, Milan, Italy)**

**General Issues Related to IU Commissions and CEN Working Groups**

**1. Welcome and agreement of agenda**

The Chairmen, J.C. Castell (WG1/IUC), M. Wilson (WG2/IUP) and C. Page (WG3/IUF) opened the meeting and welcomed all participants. The experts signed the Attendance list (see Annex B).

Mrs Paola Visitin from UNI was welcomed as the new CEN TC 289 Secretariat.

**2. Minutes of the last meeting (Document N 207)**

The minutes of the last meeting held at UNI in Milan, Italy on 23rd March, 2010 had been circulated prior to the meeting. Subject to correcting in 5.1 the numbering of prEN ISO DIS 17072 Parts 1 and 2 (wrong way round) and changing PIT to OIT in prEN ISO DIS 13365, the minutes were approved unanimously.

**3. Other IU Commission / CEN TC 289 business**

**- ISO Central Secretariat**

C. Page reported that ISO Central Secretariat had been in contact with IULTCS about the reason for the CEN lead for all work items in these combined IULTCS (for ISO) and CEN meetings. It has been explained that the CEN lead is an administrative matter since UNI, the CEN/TC 289 Secretariat, had access to documents and on-line communications with both CEN and ISO.

**- Work load**

After a short discussion it was decided that to help spread the work load, some test methods would be dealt with by WG3/IUF. Examples are: ISO 2588, ISO 11646, Identification of leather by microscopy and Reflectance in the near IR.

**Meeting of CEN TC 289/WG1 and IUC Commission (J.C. Castell, Chairman)**

**4. Information on progress of current methods (IUC & WG1)**

**4.1 Documents accepted as EN and ISO standards since last meeting**

**Standards re-confirmed after review – decisions from last meeting.**

- **EN ISO 4047:1977/IUC 7** *Leather - Determination of sulfated total ash and sulfated water insoluble ash*

- **ISO 5397:1984 /IUC 10** *Leather - Chemical test – Determination of nitrogen content and "hide substance". Titrimetric method*



#### 4.2 Documents in parallel CEN/ISO formal vote in accordance VA procedures:

- **prEN ISO FDIS 17072-1/IUC 27-1** *Leather – Chemical Determination of metal content. Part 1: Extractable metals* (Voting closed: 11.01.2011)

There was a request to include boron in the scope. As the document is in the formal vote stage, the secretariat will check if it is possible to modify the document as an editorial observation.

With regards to a new interlaboratory trial, it will be necessary to check possibilities for funding of, at least, the preparation of leather samples.

- **prEN ISO FDIS 17072-2/IUC 27-2** *Leather – Chemical Determination of metal content. Part 2: Total metal content* (Voting closed: 11.01.2011)

There was a request to include boron in the scope. As the document is in the formal vote stage, the secretariat will check if it is possible to modify the document as an editorial observation.

With regards to a new interlaboratory robin test, it will be necessary to check possibilities for founding, at least, the preparation of leather samples.

- **prEN ISO FDIS 17234-2/IUC 20-2** *Leather – Chemical tests for the determination of certain azo colorants in dyed leathers- Part 2: Determination of 4-aminoazobenzene* (Voting closes: 09.02.2011)

- **prEN ISO FDIS 17226-3/IUC 19-3** *Leather – Chemical determination of formaldehyde content - Part 3: Determination of formaldehyde emissions from leather* (Voting still to open)

- **prEN ISO FDIS 14088/IUC 32** *Leather – Chemical tests – Quantitative analysis of tanning agents by filter method* (Voting still to open)

The meeting decided the initial document prepared for FDIS is not going to be forwarded for formal voting as it does not include all modifications agreed at the last meeting. Dr. Haiko Schulz offered to take the DIS document and correct it according to the decisions of the last meeting. Once completed it would be submitted for FDIS formal vote.

- **prEN ISO FDIS 13365/IUC 29** *Leather – Chemical tests – Determination of the preservatives (TCMTB, CMK, OPP, OIT) content in leather by liquid chromatography* (Voting closed: 14.12.2010)

To gather precision data for including in future revisions it was agreed that a round-robin test will be organized among the laboratories: BLC, CTC, SSIP, AIICA, CIMAC and SATRA.

The amendment proposal from Italy was not accepted at this stage but should be considered when document comes up for revision after three years.

#### 5. Discussion on active work items (IUC & WG1)

##### 5.1 Documents after CEN/ISO Enquiry or CEN/ISO review (comments to be discussed and documents to be finalised)

- **EN ISO 17070:2006/IUC 25** *Leather – Chemical tests – Part 1: Determination of pentachlorophenol content.*

Experts agree with the comments from systematic revision and the document should be revised. R. Meyndt and K. Schulte will correct the document, which will be discussed at the next meeting.

##### 5.2 Draft documents for discussion - any further development?

- NWIP Documents: *Leather – Chemical tests - Determination of free and ethoxylated nonylphenols in leather*

Document has no further development as CEN/TC 309/WG2 is working on it.



- NWIP Document: *Leather – Chemical tests - Determination of organotin compounds in leather by GS/MS method*

Document has no further development as CEN/TC 309/WG2 is working on it.

- **EN ISO 17234-1/IUC 20-1** *Leather – Chemical tests for the determination of certain azo colorants in dyed leathers- Part 1: Determination of certain aromatic amines derived from azo colorants.*

SSIP comments that false positive results can be obtained. This observation is also confirmed from CTC. It is important to reconfirm these results. To be discussed at the next meeting.

## 6. Review of published standards under IUC/WG1 responsibility

### 6.1 Decisions on the comments received during systematic reviews

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### 6.2 Published EN ISO standards currently under revision process

- **ISO 5398-1:2007/IUC 8-1** *Leather – Chemical determination of chromic oxide content – Part 1: quantification by titration (Voting closed: 15.12.2010)*

- **ISO 5398-1:2007/IUC 8-3** *Leather – Chemical determination of chromic oxide content – Part 3: quantification by atomic absorption spectroscopy (Voting closed: 15.12.2010)*

- **ISO 5398-4:2007/IUC 8-4** *Leather – Chemical determination of chromic oxide content – Part 4: quantification by inductively coupled plasma – optical emission (Voting closed: 15.12.2010)*

- **ISO 5400:1984** *Leather determination of total silicone content. Reduce molybdsilicate spectrometric method. (Voting closed: 15.12.2010)*

During the revision process, it should be considered if this ISO Standard is still relevant and if yes, is it useful to include this method as a CEN standard.

## 7. Proposals for new work items

- NWIP Proposal from China: *"Leather—Chemical tests—Determination of fungicide contents by GC-MS method"*

Experts agreed that the method prEN/ISO DIS 13365 / IUC29 already covers the analysis of fungicides. The ISO method is based on HPLC with UV detection and it is more feasible in terms of analytical time and cost than the proposed GC-MS method. In addition one of the fungicides can break down at the temperatures of the GC injection giving potentially false results. The proposal is received with thanks but it was decided not to proceed at present. The convenor will contact Dr. Ma from China.

- NWIP Proposal from France: *"Leather – Chemical Test – Determination of the designation "leatherboard" by gravimetric method"*

The proposal was circulated too close to the meeting date and experts did not have enough time to prepare comments. The Secretariat will circulate the document from France again and any comments from experts should be sent to J.C. Cannot. It will be discussed at the next meeting.

## 8. Any other business

- *Determination of tan content with Divergan (Tantest)*

With the inclusion of syntans in EN ISO DIS 14088, the experts decided to re-consider an earlier test method proposal. The Tantest method is used regularly by syntan manufacturers as a quality control



method for the tannin content. (The origin of the method is determining the tannin content in wine.) After discussion it was decided to propose it as a separate Standard and not as part 2 of ISO 14088.  
C. Page will prepare a document and it will be proposed in the next meeting as NWIP.

## **Meeting of CEN TC 289/WG2 and IUP Commission. (M. Wilson, Chairman)**

### **9. Information on progress of current methods (IUP & WG2)**

#### **9.1 Documents accepted as EN and ISO standards since last meeting**

**Standards re-confirmed after review – decisions from last meeting.**

- **ISO 17071:2006/IUP 46** *Leather -- Physical and mechanical tests -- Determination of fogging characteristics*
- **ISO 17074:2006/IUP 47** *Leather -- Physical and mechanical tests -- Determination of resistance to horizontal spread of flame*
- **ISO 17230:2006/IUP 45** *Leather -- Physical and mechanical tests -- Determination of water penetration pressure*
- **ISO 17231:2006/IUP 37** *Leather -- Physical and mechanical tests -- Determination of water repellency of garment leather*
- **ISO 17232:2006/IUP 38** *Leather -- Physical and mechanical tests -- Determination of heat resistance of patent leather*

The inquiry comment from Sweden requested that the equivalent EN and ISO versions of each of these tests should share the same number. It was agreed to **re-confirm the ISO Standards but the equivalent EN versions required re-confirming with the ISO number inserted**. A resolution to do this by UAP was to be put to the TC at the Plenary meeting.

#### **9.2 Documents in parallel CEN/ISO Formal Vote in accordance VA procedure**

The following 2 standards were confirmed as ready to go to Formal Vote:

- **prEN ISO FDIS 17076-2/IUP 48-2** *Leather – Determination of abrasion resistance – Part 2: Martindale ball plate method.*
- **prEN ISO 26082-2/IUP 53-2** *Leather – Physical and mechanical test method for the determination of soiling – Part 2: Tumbling method*

The following 5 standards are to be amended by the chairman to take account of the enquiry comments:

- **prEN ISO FDIS 3376/IUP 6** *Leather – Physical and mechanical tests – Determination of tensile strength and percentage of extension.*
- **prEN ISO FDIS 5402-1/IUP 20-1** *Leather - Determination of flex resistance – Part 1: Flexometer method.*

In addition to the enquiry comments it was noted that the Flexometer diagram in the Standard is a little different to that in 2 other Standards. After discussion it was agreed to change the diagram wording to clarify the meaning. M. Wilson agreed to modify the document.

- **prEN ISO FDIS 14087/IUP 54** *Leather – Physical and mechanical tests – Determination of flexural properties.*
- **prEN ISO FDIS 17186/IUP 41** *Leather – Physical and mechanical tests - Determination of surface thickness.*



- prEN ISO FDIS 17235/IUP 36 *Leather – Physical and mechanical tests – determination of softness.*

### 9.3 Documents after CEN/ISO Enquiry in accordance VA procedure

The comments received on the following 4 standards were discussed and the DIS/Enquiry documents will be modified accordingly. M. Wilson will prepare the formal vote document by Dec. 2010.

- prEN ISO DIS 3377-1/IUP 40-1 *Leather – Physical and mechanical tests – Determination of tear load – Part 1: Single edge tear*
- prEN ISO DIS 5403-1/IUP 10-1 *Leather – Determination of water resistance of flexible leather – Part 1: Repeated linear compression (penetrometer)*
- prEN ISO DIS 5403-2/IUP 10-2 *Leather – Determination of water resistance of flexible leather – Part 2: Repeated angular compression (Maeser)*
- prEN ISO DIS 5404/IUP 11 *Leather – Physical test methods - Determination of water resistance of heavy leathers*

### 9.4 Documents currently in parallel CEN/ISO Enquiry/DIS vote in accordance VA procedure – no action required

- prEN ISO DIS 2419 / IUP 1 & 3 *Leather – Physical and mechanical tests – Sample preparation and conditioning (Voting closes: 26.01.2011)*
- prEN ISO 5402-2/IUP39-2 *Leather -Determination of flex resistance: Part 2: Vamp flex Method (Voting closes: 26.01.2011)*
- prEN ISO 14268/IUP15 *Leather - Physical and mechanical tests - Determination of water vapour permeability (Voting closes: 21.03.2011)*
- prEN ISO 17076-1/IUP 48-1 *Leather – Determination of abrasion resistance – Part 1: Taber method (Voting closes: 26.01.2011)*
- prEN ISO 26082-1/IUP 53-1 *Leather – Physical and mechanical test method for the determination of soiling – Part 1: Martindale method (Voting closes: 26.01.2011)*

## 10. Review of published standards under IUP/WG2 responsibility

### 10.1 Decisions on the comments received during systematic reviews

- None

### 10.2 Published EN ISO standards currently under ISO revision process

- EN ISO 3379:1976/IUP 9 *Leather -- Determination of distension and strength of grain -- Ball burst test*
- SSIP agreed to prepare a document proposing revision of this standard, based on EN 17693 in CEN/TC 309, for circulation before the next meeting.

### 11. Documents currently under discussion

- EN ISO 17227/IUP 35 *Leather – Physical and mechanical tests – Determination of dry heat resistance*
- The CEN Work Item for a revision of this Standard expires on 17.09.2010. After discussion the experts agreed the document was better as a new Standard and not to revise this Standard. So **this Standard, EN ISO 17227, is re-confirmed.**



The experts agreed to prepare a new Standard for dimensional shrinkage at various temperatures and humidities, with the title: ***prEN ISO xxxx/IUP 55 Leather - Physical and mechanical tests - Determination of dimensional shrinkage***

It was agreed to defer raising the NWI until the March 2011 meeting at which a document to be prepared by H. Schulz will be reviewed and modified according to the comments of the meeting. It will then be circulated with the aim to submit it to a parallel CEN/ISO DIS enquiry.

## 12. Proposals for new work items

- **Soiling and cleanability:** documents **N 154** and **N 155**
- FILK has proposed a NWIP for part 3 of EN ISO 26082 / IUP 50. A similar work item is active with a CEN/TC 248 Coated Textiles Working Group and H. Schulz asked we wait until they have discussed this topic.

## 13. Any other business

- **Shrinking temperature of leather** There was a request that the Standard (EN ISO 3380 / IUP 16) be modified to allow starting the test at higher temperatures (i.e. closer to the shrinking temperature). It was noted that the leather needs to be in equilibrium with the water temperature. R. Meyndt agreed to provide and circulate a revised text by the end of January 2011 for consideration at the next meeting with a view to raising a NWI to revise EN ISO 3380.

## Meeting of CEN TC 289/WG3 and IUF Commission, (C. Page, Chairman)

### 14. Information on progress of current ISO & EN methods (IUF & WG3):

#### 14.1 Documents accepted as EN and ISO standards since last meeting

Standards re-confirmed after review – decision from last meeting.

- **ISO 15700:1998** *Leather -- Tests for colour fastness -- Colour fastness to water spotting*

#### 14.2 Documents in parallel CEN/ISO Enquiry/DIS vote in accordance VA procedure

- **EN ISO 11640:1998/ISO 11640:1993/IUF 450** - *Colour fastness to cycles of to-and-fro rubbing (Voting closes: 25.04.2011)*
- **EN ISO 11641:2003/ISO 11641:1993/IUF 426** - *Colour fastness to perspiration (Voting closes: 25.04.2011)*
- **EN ISO 11642:1998/ISO 11642:1993/IUF 421** - *Colour fastness to water (Voting closes: 25.04.2011)*
- **ISO 20433:2005/IUF 452** - *Colour fastness to crocking (Voting still to start)*

### 15. Revision of current ISO & EN Standards after review

- **EN ISO 11646:1993** *Leather - Measurement of area*
  - in order to give correct results during the calibration of area measurement equipment, a specific set of standard conditions must be used. The experts agreed to modify slightly the EN ISO 11646 to emphasise that the defined standard conditions must be used for calibration. The modification to the Standard text is small.

The experts agreed that an alternative area measurement Standard was needed as the equipment in EN ISO 11646 is now old and no replacement parts are available - see NWIP proposal below.



- **EN ISO 17228:2005/IUF 412** *Leather – Tests for colour fastness – Change in colour with accelerated ageing*
- FILK will prepare a document for the next meeting. Once a document is available a work item will be opened.

#### 16. Review of published standards under IUF/WG3 responsibility

- **ISO 2588:1985** *Leather – Sampling – Number of items for a gross sample* (Voting closed: 15.12.2010)
- **ISO 15701:1998** *Leather – Tests for colour fastness – Colour fastness to migration into plasticised PVC* (Voting closed: 15.12.2010)
- **ISO 15702:2007** *Leather – Tests for colour fastness – Colour fastness to machine washing* (Voting closed: 15.12.2010)
- **ISO 15703:2007** *Leather – Tests for colour fastness – Colour fastness to mild washing* (Voting closed: 15.12.2010)

#### 17. Proposals for new work items

- NWIP proposal: ***Leather – Identification of leather by microscopy***

The document from FILK had been circulated before the meeting. The experts agreed to ask to register as soon as possible a new work item in the CEN/TC289 (by correspondence) and ISO/IULTCS work programme with the title: ***prEN ISO xxxx/IUP 56 Leather – Identification of leather with microscopy***

Once registered, the document prepared by H. Schulz, and modified according to the comments discussed during the meeting, will be circulated with the aim to submit it as soon as possible to a parallel CEN/ISO DIS enquiry.

- NWIP Proposal: ***Leather - Determination of reflection in the near infra-red***

The document has been circulated. The specification in the method needs to be moved to an informative annex. After modification it was agreed to proceed with it as a NWIP.

- NWIP proposal: ***Area measurement of leather***

It is no longer possible to obtain replacement parts for the manual pin-wheel system of area measurement (EN ISO 11646). Some 9 of these machines exist in Europe as the reference equipment for area measurement. Commercially electronic methods are used now for area measurement and there is a need to have an alternative area measurement Standard. **The meeting agreed to submit documents on alternative area measurement to C. Page by Feb. 2011,** so they could be discussed at the next meeting.

**Continuation of combined meeting of the CEN/TC 289/WG 1, WG 2 and WG 3 Working Groups and the IULTCS IUC, IUP and IUF Commissions**

**18. Confirmation of Resolutions for CEN/TC 289 Plenary from WG1, WG2 and WG3**

It was agreed that the Resolutions would be prepared and circulated after the meeting. The Resolutions (Document N 212), which were circulated after the meeting, are attached as Annex A.

**19. Any other general CEN/TC 289 and IU Commission business**

None

**20. Date and location of next combined meeting**

Originally it was planned to hold the next meeting at SSIP in Naples, Italy. However, the March meeting is combined with a short TC 289 Plenary meeting. To allow attendance at the Plenary only it was decided that the Milan location is more flexible for travel.

The next combined meeting of CEN/TC 289 WG1/2/3 – IULTCS will be held on **15th March, 2011** at **UNIC, via Brisa 3, Milan, Italy.**

This meeting will be followed by a CEN/TC 289 WG4 meeting and a CEN/TC 289 Plenary meeting on the **16<sup>th</sup> March 2011.**

**Advance notice:** The September meeting will be on **26<sup>th</sup> September 2011** in Valencia, Spain during the IULTCS Congress.

**Please note these dates in your agenda.**

J.C. Castell / M. Wilson / C. Page

12. Jan. 2011

