



Draft Minutes and Resolutions of combined technical meeting of:

- **CEN/TC 289: WG 1, WG 2 and WG 3**
- **IULTCS: IUC, IUP and IUF**

Held at:

UNIC - Unione Nazionale Industria Conciaria
Via Brisa 3
20123 Milano, Italy

Date: 7th & 8th March 2016

Contents:

	Page
Joint CEN/TC 289/WG1 & IUC meeting with CEN/TC 309/WG2	1
Chemical test methods (WG 1 & IUC)	2
Physical test methods (WG 2 & IUP)	5
Fastness and other test methods (WG 3 & IUF)	8
CEN & ISO Resolutions (from CEN/TC 289 & IULTCS)	10
ISO only resolutions (from IULTCS)	13
Attendance	14

Monday, 7th March

[Joint Meeting of CEN/TC 289/WG1 & IUC with CEN/TC 309/WG2](#)

1. Welcome and agreement of agenda

Campbell Page and Jean-Claude Cannot welcomed everyone to the meeting.

They thanked UNIC for providing the facilities and meeting room.

Campbell Page explained that the WG1 Convenor, Joan Carles Castell, sent his apologies and Campbell was to act on his behalf for today's meeting.

2. - prEN ISO/CD 20699/IUC 38 *Leather – Chemical tests – Pre-ageing for chemical determination of hexavalent chromium*

The document as basis for discussion was the revised version of N40.

Jean Claude Cannot presented the results of 18 months research work from CTC looking at 4 chrome tanned crust leathers (A - "good practice" optimized to maintain reductive conditions, B - same application but with unsaturated fatliquors, C - "bad practice" using chemicals and conditions known to encourage Cr(VI) formation, and D - this leather with a veg retannage). These leathers were aged for 24h using different heat and light parameters. Control samples were either kept refrigerated or in the tannery horsed up for 18 months. The tannery control sample of the bad practice leather contained 7.8 mg/kg Cr(VI) and this was used as the reference for comparing the pre-ageing performance of the different heat and light conditions.

Jean Claude explained those crust leathers exposed 24 h to light (Exposure conditions A1, ISO 105-B02) gave results for Cr(VI) higher than 24 h heating at 80 °C and 5% rh.

The proposal is that light is possibly a better pre-ageing technique than heat.

It was agreed to make a further ring trial using new samples of leathers B & C and an additional customer leather from PFI. More than 6 labs agree to pre-age and analyse for Cr(VI) using EN ISO/FDIS 17075-2. Jean Claude will co-ordinate this trial and have results for the next meeting.

To discuss and evaluate the results it was agreed to hold a further joint meeting of CEN/TC 289/WG1 and CEN/TC 309/WG2 on Thursday morning, 22nd September in Milan.



Tuesday, 8th March

General Issues Related to IU Commissions & CEN Working Groups

3. Welcome and agreement of agenda

The Chairmen, Mike Wilson and Campbell Page welcomed everyone to the meeting.

They thanked UNIC for providing the facilities and meeting room.

Campbell Page explained that Joan Carles Castell had sent his apologies and also submitted his resignation as chairman of WG1 and IUC due to increased work load in his new job. Campbell was to act on his behalf for today's WG1/IUC meeting.

The experts signed the Attendance list, a copy is attached at the end.

4. Approval of the minutes of the last meeting

The draft minutes (N 241) of the last meeting held at CTC, Lyon, France, 6th October, 2015, had been circulated prior to the meeting. Mike Wilson commented that due to his oversight there was an omission in 10.1 regarding ISO 17233 but that would be readily covered at today's meeting and did not warrant a re-issue of the minutes. The minutes were subsequently approved unanimously.

5. Other IU Commission / CEN TC 289 business

After taking advice from Paola Visitin, CEN/TC 289 Secretariat, it was decided to ask at the meeting for nominations for the new WG1/IUC Convenor to succeed Dr Joan Carles Castell. Dr Karine Lio was the only nomination and the committee unanimously approved to recommend her appointment to CEN/TC 289/WG1 Convenor. On behalf of IULTCS Campbell Page welcomed Karine as the new IUC Convenor.

*** Resolution to approve Dr Karine Lio as new Convenor of WG 1 and IUC.**

The committee asked to extend the scope of CEN/TC 289/WG 1 to include chemical test methods for leather and leather chemicals. It was agreed unanimously to present a resolution to CEN/TC 289 to amend the Scope of WG1.

*** Resolution to approve the extension of the scope of CEN/TC 289/WG1 to include chemical test methods for leather and leather chemicals.**

Meeting of CEN TC 289/WG1 and IUC Commission

4. Progress of active work items (IUC & WG1)

4.1 New EN and ISO standards

- **EN ISO 19070 / IUC 34** *Leather – Chemical tests – Determination of N-methylpyrrolidone in leather.*

Publication expected April 2016.

- **EN ISO 19071 / IUC 35** *Leather – Chemical tests – Determination of Cr(VI) and its reductive potential in chromium tanning agents.*

Publication expected April 2016.

4.2 Documents in parallel CEN/ISO Formal Vote

- **FprEN ISO/FDIS 4044 (revision) / IUC 3** *Leather – Chemical tests – Preparation of chemical test samples.*

The proposed formal vote document had been circulated just prior to the meeting by Dr Castell. It was reviewed and some small modifications agreed. The meeting agreed that the revised document should be approved for progress to formal FDIS vote.

*** Resolution to approve progress to formal FDIS vote.**



- FprEN ISO/FDIS 17075-1 / IUC 18-1 *Leather – Chemical determination of chromium (VI) content – Part 1: Quantification by colorimetric method*

The proposed formal vote document had been circulated just prior to the meeting by Dr Castell. It was reviewed and some small modifications agreed. The meeting agreed that the revised document should be approved for progress to formal FDIS vote.

*** Resolution to approve progress to formal FDIS vote.**

- FprEN ISO/FDIS 17075-2 / IUC 18-2 *Leather – Chemical determination of chromium (VI) content – Part 2: Quantification by ion chromatography*

The proposed formal vote document had been circulated just prior to the meeting by Dr Castell. It was reviewed and some small modifications agreed. The meeting agreed that the revised document should be approved for progress to formal FDIS vote.

*** Resolution to approve progress to formal FDIS vote.**

4.3 Documents in parallel CEN/ISO Enquiry

- ISO 4098:2006 (revision) / IUC 6: *Chemical tests – Determination of water-soluble matter, water-soluble inorganic matter and water-soluble organic matter.*

Minor modification after ISO systematic review. C. Page reported he has sent the revised document to ISO Secretariat and asked for advice on proceeding to ISO lead DIS inquiry or fast-track vote.

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

5.1 Documents after CEN/ISO Enquiry (comments received to be discussed)

- FprEN ISO/FDIS 20136 / IUC 37 *Leather – Determination of degradability by micro-organisms*

Based on DIS Enquiry comments, a revised document for formal vote has been prepared by Dr Castell. The comment and changes in the document were discussed and approved.

*** Resolution to approve progress to formal FDIS vote.**

- FprEN ISO/FDIS 20137 / IUC 36 *Leather – Chemical tests – Guidelines for testing critical chemicals in leather*

Dr Castell had reviewed the DIS Enquiry comments and proposed responses to the comments. The committee reviewed and approved the proposals, based on these a revised document for formal vote will be prepared.

*** Resolution to approve progress to formal FDIS vote.**

6. Review of published standards under WG1/IUC responsibility

6.1 Decisions on the comments received during ISO systematic reviews

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

Systematic review closed on 15th December 2015. No technical comments received. Decided to re-confirm the ISO Standard.

*** ISO Resolution to re-confirm ISO 4047:1977**

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



Systematic review closed on 15th December 2015. Only one technical comment received, USA commented: *Yes, but with the modification to calculate results on moisture free basis.* It was noted that test results can be reported on this basis. It was decided it did not require a revision. Decided to re-confirm the ISO Standard.

* **ISO Resolution to re-confirm ISO 4047:1977**

6.2 Published EN ISO standards currently under ISO systematic revision process

Systematic reviews for the following ISO Standards have opened and will close on the 15. June 2016.

- **ISO 5398-1:2007 (Vers. 2) / IUC 8-1** *Leather – Chemical determination of chromic oxide content - Part 1: Quantification by titration*
- **ISO 5398-3:2007 (Vers. 2) / IUC 8-3** *Leather – Chemical determination of chromic oxide content - Part 3: Quantification by atomic absorption spectrometry*
- **ISO 5398-4:2007 (Vers. 2) / IUC 8-4** *Leather – Chemical determination of chromic oxide content - Part 4: Quantification by inductively coupled plasma - optical emission spectrometer (ICP-OES)*
- **ISO 5400:1984 (Vers. 3)** *Leather – Determination of total silicon content -- Reduced molybdosilicate spectrometric method*
- **ISO 13365:2011 / IUC 29** *Leather – Chemical tests - Determination of the preservative (TCMTB, PCMC, OPP, OIT) content in leather by liquid chromatography*
- **ISO 17072-1:2011 / IUC 27-1** *Leather – Chemical determination of metal content -- Part 1: Extractable metals*
- **ISO 17072-2:2011 / IUC 27-2** *Leather – Chemical determination of metal content -- Part 1: Total metal content*
- **ISO 17234-2:2011 / IUC 20-2** *Leather – Chemical tests for the determination of certain azo colorants in dyed leathers -- Part 2: Determination of 4-aminoazobenzene*

7. Proposals for new work items & comments received since the last meeting

7.1 Proposals for new work items and progress of work items

- **prEN ISO/CD 20699/IUC 38** *Leather – Chemical tests – Pre-ageing for chemical determination of hexavalent chromium.*

See item 2 above

- **Leather – Chemical tests – Determination of pesticides in leather**

China has submitted a draft document for a new work item. The draft document, N44, is available on CEN/TC 289/WG1 eCommittee. After a short discussion it was decided to accept the proposed draft document.

A decision was made to proceed to activate a new work item with CEN lead.

* **Resolution to activate a new work item with CEN lead**

7.2 Comments received since the last meeting

New working item proposal

- **Leather – Chemical tests – Determination of SCCP by indirect method.**

Directly before the meeting Dr Ma from China sent a new draft test method for determining short chain chlorinated paraffins by an indirect method. There was too little time to consider the proposal in detail. Some institutes reported they have already spent some time looking at this type



of method and have had considerable problems with false positive results from other sources of C10 – C13 chains (e.g. fats and fatty alcohols) in the leather extract. In addition, the method is for n-alkanes but the commercial chlorinated paraffins also contain branched chain alkanes. The document will be put on the WG1 Livelink and will be discussed at the September meeting.

New working item proposal

- Leather – Chemical tests – Determination of p-Phenylenediamine content by gas chromatography-mass spectrometry

At the last meeting Chen Xuecan from China presented a draft document for the analysis of p-phenylenediamine in leather. There was no time to evaluate the document in detail at the meeting. A comment was made that p-phenylenediamine is not one of the restricted aromatic amines in EU and China. This amine is mainly found in hair dyes and is a known skin allergy. It was not clear why this method was being requested for leather. It was decided to discuss the possibility of making it a new work item at the September meeting.

The document will be put on the WG1 Livelink.

New working item proposal

Leather – Chemical tests – Determination of chlorinated hydrocarbons in leather – Chromatographic method for middle chain chlorinated paraffins (MCCP)

A request was received to modify the scope of the EN ISO 18219 method for short chain chlorinated paraffins (SCCP) to include the middle chain chlorinated paraffins (MCCP). After discussion it was pointed out several parts of the method were specific to the SCCP substances (e.g. reference substances, Cl content for calculating the result, etc.) and could not be used when determining MCCPs. It was decided that the best way was to prepare a separate Standard for MCCP.

Oliver Haubrich (PFI) agreed to prepare a draft document for MCCP for the September meeting.

8. Any other business for WG1 / IUC

Meeting of CEN TC 289/WG2 and IUP Commission

9. Progress of active work items (WG2/IUP)

9.1 New EN and ISO standards

The following five standards were scheduled to be published 15th February 2016:

- ISO 2417:2016 /IUP 7

Leather -- Physical and mechanical tests -- Determination of the static absorption of water

- ISO 2589:2016 /IUP 4

Leather -- Physical and mechanical tests -- Determination of thickness

- ISO 3377-2:2016 /IUP 8

Leather -- Physical and mechanical tests -- Determination of tear load – Part 2: Double edge tear

- ISO 17229:2016 /IUP 42

Leather -- Physical and mechanical tests -- Determination of water vapour absorption



- ISO 17236:2016 / IUP 43

Leather -- Physical and mechanical tests -- Determination of extension set

9.2 Documents in parallel CEN/ISO Formal Vote

For the following five standards, the completed Enquiry/DIS comments and amended draft standards are with Secretary to prepare for sending out to FDIS.

- FprEN ISO/FDIS 2418 (revision) (Ed 2)/IUP 2 (CEN WI 00289174)

Leather -- Chemical, physical and mechanical and fastness tests -- Sampling location

- FprEN ISO/FDIS 2420 (revision) (Ed 2)/IUP 5

Leather -- Physical and mechanical tests -- Determination of apparent density

- FprEN ISO/FDIS 5402-1 (revision) / IUP20

Leather – Determination of flex resistance - Part 1: Flexometer method

- FprEN ISO/FDIS 17232 (revision)/ IUP 38

Leather – Physical and mechanical tests – Determination of heat resistance of patent leather

- FprEN ISO/FDIS 23910 (revision) / IUP 44

Leather - Physical and mechanical tests – Determination of stitch tear resistance

- FprEN ISO/FDIS 17233 (revision) /IUP 29

Leather -- Physical and mechanical tests -- Determination of cold crack temperature of surface coatings

At the last meeting it was agreed to add the option of fixing the test pieces by adhesion. A draft was prepared by Haiko Schultz and belatedly circulated by the chairman on 4th March (N025).

The amended draft was discussed during the meeting and approved to send to the secretary to move on to formal vote (FDIS) along with the five standards above.

9.3 Documents in parallel CEN/ISO Enquiry

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10. Discussion on active work items (WG2/IUP)

10.1 Documents after CEN/ISO Enquiry to progress to formal vote

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10.2 New Work Items for discussion and to progress to CEN/ISO Enquiry

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11. Review of published standards under WG2/IUP responsibility

11.1 Decisions on the comments received during ISO systematic reviews

- ISO 17071:2006 / IUP 46 *Leather – Physical and mechanical tests – Determination of fogging characteristics*

Systematic review closed on 15th December 2015. No technical comments received. 8 countries voted to re-confirm and 1 country abstained. Meeting agreed that this Standard should be re-confirmed.

*** ISO Resolution to re-confirm ISO 17071:2006**

- ISO 17074:2006 / IUP 47 *Leather – Physical and mechanical tests – Determination of resistance to horizontal spread of flame*

Systematic review closed on 15th December 2015. No technical comments received. 7 countries voted to re-confirm and 2 countries abstained. Meeting agreed that this Standard should be re-confirmed.



*** ISO Resolution to re-confirm ISO 17074:2006**

- ISO 17227:2002 / IUP 35 *Leather – Physical and mechanical tests – Determination of dry heat resistance of leather*

Systematic review closed on 15th December 2015. No technical comments received. 7 countries voted to re-confirm and 1 country abstained. Meeting agreed that this Standard should be re-confirmed.

*** ISO Resolution to re-confirm ISO 17227:2002**

- ISO 17230:2006 / IUP 45 *Leather – Physical and mechanical tests – Determination of water penetration pressure*

Systematic review closed on 15th December 2015. No technical comments received. 8 countries voted to re-confirm and 1 country abstained. Meeting agreed that this Standard should be re-confirmed.

*** ISO Resolution to re-confirm ISO 17230:2006**

- ISO 17231:2006 / IUP 37 *Leather – Physical and mechanical tests – Determination of water repellency of garment leather*

Systematic review closed on 15th December 2015. 6 countries voted to re-confirm, USA proposed to revise and 2 countries abstained. Only one technical comment received, USA commented: *It would be good to update Annex A with better photographs of the grading criteria.*

Meeting agreed that this Standard should be revised with the substitution of the five pictures in Annex A with the original photographs (as opposed to the photocopies used in the current standard) if they can be obtained by the chairman from ISO or US sources as appropriate considering copyright issues. No other technical changes would be made. If the photos cannot be obtained then the standard is to be re-confirmed.

11.2 Published EN ISO standards currently under ISO systematic revision process

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12. Proposals for new work items

- Revision of EN ISO 2419:2012 / IUP 1 & IUP 3

Leather -- Physical and mechanical tests – Sample preparation and conditioning

A draft has been awaited from Tori Moreno (BLC) for some time, however, Tori has now stood down from TC289/IU committees and has been replaced by Georgina Mawer (BLC). The chairman will contact Georgina to ascertain if she will be picking up this action point.

13. Any other business for WG2/IUP

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Meeting of CEN TC 289/WG3 and IUF Commission

14. Progress of active work items (WG3/IUF):

14.1 New EN and ISO standards

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14.2 Documents in CEN/ISO formal vote

- **FprEN ISO/FDIS 19076 / IUP 58** *Leather - Measurement of leather surface – Using electronic techniques*

This document should have started joint FDIS formal vote on 01. October 2015. Following the appearance of the English FDIS document, Spain and the EU Footwear Assn claimed to the CEN CMC and requested the removal of the Note 2 in the Scope. As it was a CEN lead item, CEN requested ISO postpone the formal vote until a solution could be found.

After considerable discussion and consideration of various text options, a solution was found that was agreeable to all parties. It requires the following:

- remove the Note 2 in the Scope
- insert additional text in the body of the Standard as follows:
 - insert a new clause 7.1 with the title: **7.1 General requirement**
 - insert the text "*The results obtained for the leather surface area can vary depending on the type of machine (see annex D). Therefore the parties involved in a commercial transaction intending to refer to this standard, shall agree on the specific instrument to be adopted among type A, B, C and D machines.*"
 - the other clauses in 7 to be re-numbered and the Contents numbering updated.
 - The Secretariat Comments from the DIS Enquiry to be re-checked for references to Note 2 and updated as necessary.

This proposal for revising the text of FprEN ISO/FDIS 19076 was accepted unanimously by all present and by Spain, who were participating via teleconference.

It was agreed that the text of the FDIS formal vote document be modified as above and the CEN/TC 289 Plenary be requested to give the approval to re-activate the FDIS formal vote.

* **Resolution to re-activate the FDIS formal vote after text modification**

Following the agreement to modify the text of ISO/FDIS 19706 and proceed to the FDIS formal vote, the meeting participants noted that it is necessary to look for a new reference method for area measurement. They requested those persons with knowledge of this equipment should review the types of electronic machines available and propose what could be a suitable reference method in the future.

14.3 Documents in CEN/ISO Enquiry/DIS vote

- **prEN ISO/DIS 20701 /IUF 427** *Leather – Tests for colour fastness – Colour fastness to saliva*

As agreed at the last meeting the document is being submitted for a joint DIS/Enquiry.

15. Discussion on active work items (WG3/IUF)

15.1 Documents after CEN/ISO Enquiry (comments received to be discussed and documents to be finalised for formal vote)

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16. Review of published standards under WG3/IUF responsibility

16.1 Decisions on the comments received during ISO systematic reviews

- **EN ISO 15700:1998 / IUF 420** *Leather – Tests for colour fastness – Colour fastness to water spotting*

Systematic review closed on 15th December 2015. No technical comments received. Meeting agreed that this Standard should be re-confirmed.

- * **ISO Resolution to re-confirm ISO 15700:1998**

16.2 Published EN ISO standards currently under ISO systematic revision process

Systematic reviews for the following ISO Standards have opened and will close on the 15. June 2016.

- **EN ISO 15702:1998 (Vers. 3) / IUF 435** *Leather – Tests for colour fastness – Colour fastness to machine washing*
- **EN ISO 15703:1998 (Vers. 3) / IUF 423** *Leather – Tests for colour fastness – Colour fastness to mild washing*

17. Proposals for new work items

- **NWIP** *Leather – Colour measurement of finished leather*

Spain has proposed a new work item and submitted a draft document on how to measure the colour co-ordinates of finished leather, including leather sample preparation for colour measurement. The document was circulated. Gustavo Defeo commented that some of the ΔE and colour difference equations, as well as the colour space for human perception needed updating. He agreed to prepare a modified document for the next meeting in September. At that stage it can be discussed and decided if a new work item will be activated.

18. Any other business for WG3/IUF

19. Confirmation of Resolutions/Decisions from WG1/IUC, WG2/IUP and WG3/IUF

20. Any other business for WG1/IUC, WG2/IUP and WG3/IUF

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21. Date and location of next meeting

Thursday 22nd September, 2016 at UNIC, Milan, Italy

Approx. 17.20 h Closure of the meeting

Please contact the respective Chairman for comments to these Minutes.

Convenors/Chairmen

Campbell Page (WG3 / IUF)

Mike Wilson (WG2/IUP)

Karine Lio (WG1/IUC)

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16th August 2016



CEN and ISO Resolutions

Combined WG 1/IUC, WG 2/IUP and WG 3/IUF meeting, UNIC, Milan, 8th March 2016

WG 1 / IUC - Combined CEN and ISO Resolutions

1) Nomination of **Dr Karine Lio**, CTC, France, as the new Convenor of CEN/TC 289/WG1 and the IUC Commission of IULTCS.

The current Convenor, Joan Carles Castell, has informed the CEN/TC 289 Secretariat that due to new work commitments he is unable to continue as Convenor of WG1.

WG1 asks the CEN/TC 289 Plenary to approve the nomination of Dr Lio.

2) CEN/TC 289/WG1 ask the TC 289 Plenary to approve the extension of the scope of WG1 to **"Chemical test methods for leather and leather chemicals"**.

3) FprEN ISO/FDIS 4044 / IUC 3 *Leather – Chemical tests – Preparation of chemical test samples.*

Revisions made after the DIS Enquiry were revised and the modified document prepared for formal vote. **Approval to submit document to formal FDIS vote.**

4) FprEN ISO/FDIS 17075-1 / IUC 18-1 *Leather – Chemical determination of chromium (VI) content – Part 1: Colorimetric method*

Revisions made after the DIS Enquiry were revised and the modified document prepared for formal vote. **Approval to submit document to formal FDIS vote.**

5) FprEN ISO/FDIS 17075-2 / IUC 18-2 *Leather – Chemical determination of chromium (VI) content – Part 2: Chromatographic method*

Revisions made after the DIS Enquiry were revised and the modified document prepared for formal vote. **Approval to submit document to formal FDIS vote.**

6) FprEN ISO/FDIS 20136 / IUC 37 *Leather — Determination of degradability by micro-organisms*

Revisions made after the DIS Enquiry were revised and the modified document prepared for formal vote. **Approval to submit document to formal FDIS vote.**

7) FprEN ISO/FDIS 20137 / IUC 36 *Leather — Chemical tests – Guidelines for testing critical chemicals in leather*

Revisions made after the DIS Enquiry were revised and the modified document prepared for formal vote. **Approval to submit document to formal FDIS vote.**



8) New working item *Leather – Chemical tests – Determination of pesticides in leather*

China has submitted a draft document on this topic. **The committee decided to proceed to activate a new work item with CEN lead and when approved submit the document N44 to joint Enquiry DIS.**

9) New working item -revision of EN ISO 18218-2:2015 / IUC 27-2

Leather — Determination of ethoxylated alkylphenols — Part 2: Indirect method

There is an error in EN ISO 18218-2, in clause 7.1. A correction is required to provide an additional internal standard solution in hexane (for GC-MS option) and it is added to the calibration standards.

As the current method could be confusing for those using GC-MS, the committee approved to activate a new work item with CEN lead for the revision of this Standard, EN ISO 18218-2:2015.

WG 2 / IUP - Combined CEN and ISO Resolutions

10) FprEN ISO/FDIS 2418 (revision) (Ed 2)/IUP 2

Leather -- Chemical, physical and mechanical and fastness tests -- Sampling location

After reviewing the DIS Enquiry comments a revised document for formal vote has been prepared. **The committee approved that the revised document be progressed to formal FDIS vote.**

11) FprEN ISO/FDIS 2420 (revision) (Ed 2)/IUP 5

Leather -- Physical and mechanical tests -- Determination of apparent density

After reviewing the DIS Enquiry comments a revised document for formal vote has been prepared. **The committee approved that the revised document be progressed to formal FDIS vote.**

12) FprEN ISO/FDIS 5402-1 (revision) / IUP20

Leather – Determination of flex resistance - Part 1: Flexometer method

After reviewing the DIS Enquiry comments a revised document for formal vote has been prepared. **The committee approved that the revised document be progressed to formal FDIS vote.**

13) FprEN ISO/FDIS 17232 (revision)/ IUP 38

Leather – Physical and mechanical tests – Determination of heat resistance of patent leather

After reviewing the DIS Enquiry comments a revised document for formal vote has been prepared. **The committee approved that the revised document be progressed to formal FDIS vote.**



14) FprEN ISO/FDIS 17233 (revision) /IUP 29

Leather -- Physical and mechanical tests -- Determination of cold crack temperature of surface coatings

The committee reviewed the DIS Enquiry comments and prepared a revised document for formal vote. **The committee approved that this revised document be progressed to formal FDIS vote.**

15) FprEN ISO/FDIS 23910 (revision) / IUP 44

Leather - Physical and mechanical tests – Determination of stitch tear resistance

After reviewing the DIS Enquiry comments a revised document for formal vote has been prepared. **The committee approved that the revised document be progressed to formal FDIS vote.**

WG 3 / IUF - Combined CEN and ISO Resolutions

16) FprEN ISO/FDIS 19076 / IUP 58 *Leather - Measurement of leather surface – Using electronic techniques*

In Oct. 2015 the planned joint FDIS formal vote was suspended following a request to remove the Note 2 in the Scope.

At the CEN/TC 289/WG3 meeting it was decided to:

- remove the Note 2 in the Scope
- insert additional text in the body of the Standard as follows:
 - insert a new clause 7.1 with the title: **7.1 General requirement**
 - insert the text "*The results obtained for the leather surface area can vary depending on the type of machine (see annex D). Therefore the parties involved in a commercial transaction intending to refer to this standard, shall agree on the specific instrument to be adopted among type A, B, C and D machines.*"
 - the other clauses in 7 to be re-numbered and the Contents numbering updated.
 - The Secretariat Comments from the DIS Enquiry to be re-checked for references to Note 2 and as necessary updated.

This proposal for revising the text of FprEN ISO/FDIS 19076 was accepted unanimously by all present.

WG3 recommends to CEN/TC 289 Plenary that the FDIS formal vote document be modified as agreed and that the CEN/TC 289 Plenary gives the approval to re-activate the FDIS formal vote.

ISO only Resolutions – Systematic Review ballots **(decisions from IULTCS)**

The resolution of the meeting is **to re-confirm the following 7 ISO Standards:**

1) ISO 4047:1977 / IUC 7 *Leather – Determination of sulphated total ash and sulphated water-insoluble ash*

Systematic review closed on 15th December 2015. No technical comments received.

Meeting recommends to ISO that **this ISO Standard is re-confirmed.**

2) ISO 5397:1984 / IUC 10 *Leather – Determination of nitrogen content and "hide substance" – Titrimetric method*

Systematic review closed on 15th December 2015. One technical remark received, after discussion it was decided it did not justify modifying the Standard.

Meeting recommends to ISO that **this ISO Standard is re-confirmed.**

3) ISO 17071:2006 / IUP 46 *Leather – Physical and mechanical tests – Determination of fogging characteristics*

Systematic review closed on 15th December 2015. No technical comments received.

Meeting recommends to ISO that **this ISO Standard is re-confirmed.**

4) ISO 17074:2006 / IUP 47 *Leather – Physical and mechanical tests – Determination of resistance to horizontal spread of flame*

Systematic review closed on 15th December 2015. No technical comments received.

Meeting recommends to ISO that **this ISO Standard is re-confirmed.**

5) ISO 17227:2002 / IUP 35 *Leather – Physical and mechanical tests – Determination of dry heat resistance of leather*

Systematic review closed on 15th December 2015. No technical comments received.

Meeting recommends to ISO that **this ISO Standard is re-confirmed.**

6) ISO 17230:2006 / IUP 45 *Leather – Physical and mechanical tests – Determination of water penetration pressure*

Systematic review closed on 15th December 2015. No technical comments received.

Meeting recommends to ISO that **this ISO Standard is re-confirmed.**

7) ISO 15700:1998 / IUF 420 *Leather – Tests for colour fastness – Colour fastness to water spotting*

Systematic review closed on 15th December 2015. No technical comments received.

Meeting recommends to ISO that **this ISO Standard is re-confirmed.**

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