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: SSIP - Stazione Sperimentale per L’Industria delle Pelle
Via Campi Flegrei 34,
80078 Pozzuoli
Naples, Italy.

Date: 25th & 26th Sept. 2019

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General Issues Related to IU Commissions & CEN Working Groups

1. Welcome and agreement of agenda
The Convenors, Karine Lio, Mike Wilson and Campbell Page welcomed everyone to the meeting. They thanked SSIP for providing the facilities and meeting room.

The previously circulated meeting Agenda was approved.

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

2. Approval of the minutes of the last meeting
The draft minutes (N.255) of the last meeting held at Milan, Italy, 5th March 2019, had been circulated prior to the meeting. The minutes were approved unanimously.

3. Other IU Commission / CEN TC 289 business
Mike Wilson, Convenor of WG2/IUP, announced he will retire from SATRA and that after this meeting he is standing down from the WG2/IUP Convenorship. See the WG2/IUP section below for a more detailed explanation.

Subsequent to this meeting the CEN/TC 289 Secretariat has called for nominations for the WG2 convener. The nominations for the convenorship close with the Secretariat on 29th December 2019.

CEN TC 289/WG1 & IUC Commission meeting

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

4.1 New published EN and ISO standards
Published June 2019.
- ISO 22517 / IUC 38  Leather – Chemical tests – Determination of pesticide residues content in leather
  Published May 2019.

4.2 Documents in parallel CEN/ISO Formal Vote

4.3 Documents in parallel CEN/ISO DIS Enquiry

5. Active work items (IUC & WG1)

5.1 Documents after CEN/ISO DIS Enquiry

  The joint DIS Enquiry with ISO lead closed on 11th June 2019. Technical comments from the joint DIS Enquiry have been discussing during the meeting.
  The title will change to become: “Leather – Chemical determination of the preservative (TCMTB, PCMC, OPP, OIT) content in leather by liquid chromatography — Part 1: Acetonitrile extraction method”.
  Sasha Dietrich will contact his colleague to know if it’s better to have an extraction at 60°C or at room temperature as it is in the text. Some additional tests will be performed by FILK before the end of November.
  Karine Lio will check what we have in the commercial documents for specifications of Ultrasonic bath, 40 kHz ± 5kHz?
  Once these points are clarified the document is ready to go to formal vote.

  The joint DIS Enquiry with ISO lead closed on 11th June 2019. Technical comments from the joint DIS Enquiry have been discussing during the meeting.
  The title will change become: “Leather — Chemical determination of the preservative (TCMTB, PCMC, OPP, OIT) content in leather by liquid chromatography — Part 2: Artificial perspiration extraction method”.
  Karine Lio will check what is Heat Block and DL temperature.
  Once these points are clarified the document is ready to go to formal vote.

  The joint DIS Enquiry with ISO lead closed on 10th June 2019. Technical comments from the joint DIS Enquiry have been discussing during the meeting.
  The document is now ready to go to formal vote.

The joint DIS Enquiry with ISO lead closed on 12th June 2019. Technical comments from the joint DIS Enquiry have been discussing during the meeting. Some chromatograms shall be checked and after this the document is ready to go to formal vote.

- **prEN ISO/DIS 18219-1 / IUC 30-1** (Revision of EN ISO 18219)  
  Reason for this revision is the re-numbering of ISO 18219 to ISO 18219-1. The joint DIS Enquiry with ISO lead closed on 19th June 2019. The discussion of the comments was postponed to the next meeting.

- **prEN ISO/DIS 18219-2 / IUC 30-2**  
  The joint DIS Enquiry with ISO lead closed on 24th September 2019. There was too little time to consider the comments at this meeting, so the discussion of the comments was postponed to the next meeting.

- **prEN ISO/DIS 20136 / IUC 37** (Revision of EN ISO 20136:2017)  
  **Leather – Chemical tests – Determination of degradation by micro-organisms**  
  The joint DIS Enquiry with ISO lead closed on 7th March 2019. Technical comments from the joint DIS Enquiry have been discussing during the meeting. An Annex with comparative tests shall be added. Once this has been completed the document is ready to go to formal vote.

- **prEN ISO/DIS 27587 / IUC 26** (Revision of EN ISO 27587:2009)  
  **Leather – Chemical tests – Determination of free formaldehyde in process auxiliaries**  
  The joint DIS Enquiry with ISO lead closed on 9th September 2019. There has been too little time for considering the comments so they will be discussed at the next meeting.

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

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

- **EN ISO 17489 / IUC 33**  
  **Leather -- Chemical tests -- Determination of tan content in synthetic tanning agents**  
  Systematic review closed on 4th March 2019. 6 supported the re-confirmation, one (China) sent some technical comments, one (Italy) proposed to withdraw and 4 abstained. This method is for determining the tan content in syntans and not in leather. Chemical manufacturers of synthetic tanning agents use this method for their production quality control purposes, so its use is specialized. Decision “to keep it as it is” or “to revise it” will be discussed at the next meeting.

### 7. Work item progress and proposals for new work items & comments received since the last meeting
7.1 Progress of work items and proposals for new work items

- Decided to activate a new work item in CEN for ISO 10195: 2018 / IUC 41 Leather — Chemical determination of chromium (VI) content in leather — Part 3: Thermal pre-ageing of leather and determination of hexavalent chromium (Published May 2018)

- Decided to activate a new work item in CEN for ISO 22517:2019 / IUC 38 Leather – Chemical tests – Determination of pesticide residues content in leather (Published May 2019)


Karine Lio presented a ppt presentation (N.183 on WG1 e-Committee). The results obtained by CTC and SSIP show that for some kind of leathers, the quantity of formaldehyde determined increases during the time between derivatisation and analysis. For these leathers the method needs to be modified.

Before revising the standard Oliver Haubrich asked that labs study the method on current samples from each lab. For PFI, 99% of the tested samples do not have this problem.

Experts decided that labs will test 10 of their own positive samples with the current standard and the proposed new method (N.180 on WG1 eCommittee). 8 labs are involved in this study.

Karine Lio will organise at the beginning of January a meeting to study the results of each labs and to decide in which way we want to revise the standard.


A joint meeting between CEN/TC 289/WG1, TC 309/WG2 and TC 248/WG26 took place to confirm the list of the PFCs that all the WGs can put in their standards (textile, leather, footwear). This table is available in the Livelink (N.182 on WG1 e-Committee). Next step will be a work on the analytical procedure. In parallel we could have an exchange on preparation and extraction but it will be discussed in each group separately because it is linked with the matrix.

7.2 Comments received since the last meeting

7.3 Requests for new work items

8. Any other business for WG1 / IUC

Meeting of CEN TC 289/WG2 and IUP Commission

General information

Prior to commencing the WG2/IUP technical agenda, the WG2 convenor announced that he was retiring on October 4th 2019 after 12 years as convenor of WG2/IUP. He apologised that this would come as a surprise to many but having formally tendered his resignation to the CEN Secretary on July 31st (also informing BSI and copying in the ISO Secretary) he had
expected that a formal notice and call for nominations for a new convenor would have been circulated by CEN.

SATRA indicated to BSI at the same time that Jacqui Glasspool will replace Mike Wilson as a UK expert on WG2 and is also willing to stand for nomination as convenor. Unfortunately, BSI apparently has failed to communicate with the CEN/TC 289 Secretary.

For information, the CEN Rules state (copied from Secretary’s e-mail 2nd August):

5.2 In case the convenor wishes to resign from his/her position he/she shall first inform the CEN National Member providing Professional Standardization Support (PSS) - BSI in this case - and subsequently the TC secretary. For appointing a new convenor the procedure as described in 5.1 applies.

5.1 The TC Secretary invites the TC members for nominations to the Convenor position, referring to the characteristics of the position and the work specifications given to the WG. Nominations are required to be accompanied by the curriculum vitae of the applicants and an indication of their commitment to their responsibilities and duties.

The TC Chairperson and Secretary evaluate the nominations received, according to appropriate criteria, including expertise, leadership qualities, acceptability to WG members. The TC Secretary seeks the agreement of the CEN National Member in the home country of the candidate to provide Professional Standardization Support. If this CEN National Member is not able to provide Professional Standardization Support, the Secretariat of the parent TC ensures that such support is available from another CEN National Member before making the appointment.

The TC Secretary submits the preferred nomination(s) in the form of a Decision according to the standard format, to the TC for voting.

The TC 289 Secretary will send out a formal notice in due course but in the meanwhile, the Convenor encouraged anyone interested in standing for nomination to contact their National Standards body to have their name and CV put forward. Sasha Dietrich of Germany has already expressed his willingness to stand.

The TC 289 Secretary explained that a one-month Ballot is required for a new convenor and therefore it should be possible to have a new convenor in place by the end of the year.

The retiring convenor said that notwithstanding his official retirement date, he expected SATRA to enable him to clear all outstanding actions up to the end of October (he had anticipated being allowed to continue until the end of the year but apparently this is not now possible).

See section 13 below reviewing how the work programme can proceed in the interim.

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

9.1 New EN and ISO standards

- EN ISO 23910:2019 (Ed. 3) / IUP 44
  Leather - Physical and mechanical tests – Determination of stitch tear resistance
  Published June 2019.

9.1.1 Re-confirmed ISO standards after systematic review

- ISO 3378:2002 / IUP 12 Leather – Physical and mechanical tests - determination of resistance to grain cracking and grain crack index
  Systematic review closed 4th June 2019. There were no requests to revise.
  Decision/Recommendation to ISO - re-confirm Standard.
9.2 Documents in parallel CEN/ISO Formal Vote
The joint FDIS formal vote opens on 17th October and closes on 12th December 2019.

9.3 Documents in parallel CEN/ISO Enquiry

10. Discussion on active work items (WG2/IUP)
10.1 Documents after CEN/ISO Enquiry (comments to be discussed and documents to be finalised for formal vote)
- FprEN ISO/FDIS 3376 (Revision of EN ISO 3376:2011) / IUP 6 Leather - Physical and mechanical tests - Determination of tensile strength and percentage extension
The joint DIS Enquiry with ISO lead closed 17th April 2019. The comments received were discussed and a revised draft prepared [see N066 & N067 on WG2 e-committee], which is to be circulated to WG2 for approximately four weeks (ending 24th October) for further review prior to sending to Campbell Page for uploading to ISO for the formal vote.
- FprEN ISO/FDIS 17131 (Revision of EN ISO 17131:2012) / IUP 56 Leather - Identification of leather with microscopy
The joint DIS Enquiry with ISO lead closed 6th September 2019. The Comments were discussed and a revised draft prepared for FV. [Sent to Campbell Page on 1st October for uploading to ISO for a joint formal vote].

10.2 New Work Items for discussion and to progress to CEN/ISO Enquiry
- prEN ISO/DIS 17130 (Revision of EN ISO 17130:2013) / IUP 55 Leather - Physical and mechanical tests – Determination of dimensional change
It was agreed to send the draft revision document N059 with two additional changes proposed by Sasha and Rosario to DIS Enquiry without further discussion at the meeting. [Sent to Campbell Page on 1st October for uploading to ISO for a joint DIS Enquiry]
The joint DIS Enquiry with ISO lead opens on 16th January 2020 and closes on 9th April 2020.

11. Review of published standards under WG2/IUP responsibility
11.1 Decisions on the comments received during ISO systematic review
- 
11.2 Published EN ISO standards currently under ISO systematic review process
- 
12. Proposals for new work items
- ISO 14268:2012 / IUP 15 Leather – Physical and mechanical tests – Determination of water vapour permeability
The proposal is only to reduce the pre-conditioning time with the specimen on the jar from 16-24h to 1h. See Milan minutes, March 2019 (N056). Sasha Dietrich to send new German test data to Elena at INESCOP and together to agree a further testing programme if appropriate.
13. Any other business for WG2/IUP
Further to the statement in section 3 above concerning the convenor’s retirement.
The new convenor should at least have two months at the start of 2020 to prepare for the
next meeting in early March 2020. The main business then will be:
- discussion of DIS comments on ISO 5402-1;
- formal vote results on ISO 17076-1 and ISO 3376;
- the DIS Enquiry for ISO 17130, subject to procedural timeframes (DIS Enquiry
closes after next meeting).

Meeting of CEN TC 289/WG3 and IUF Commission

14. Progress of active work items (WG3/IUF)
   14.1 New published EN and ISO standards
      -
      14.1.1 Re-confirmed ISO standards after systematic review
      -
   14.2 Documents in CEN/ISO formal vote
      -
   14.3 Documents in CEN/ISO Enquiry/DIS vote
      -

15. Discussion on active work items (WG3/IUF)
   15.1 Documents after CEN/ISO Enquiry
      -
   15.2 New Work Items for discussion and to progress to CEN/ISO Enquiry
      -

16. Review of published standards under WG3/IUF responsibility
   16.1 Decisions on the comments received during ISO systematic reviews
      Systematic review closed on 4th June 2019. 4 voted to re-confirm, 2 for a revision, 1 for
      withdrawal and 6 abstained.
      Decided to wait until it is clearer what steps will be taken after the completion of the
      leather surface area measurement project being undertaken by SSIP – see section 17
      below.
   16.2 Published EN ISO standards currently under ISO systematic revision process
      -

17. Proposals for new work items
   - Area measurement  SSIP have been working on a project comparing different
     measurement techniques as given in EN ISO 19076:2016 Leather- Measurement of leather
     surface – Using electronic techniques and EN ISO 11646 (2nd ed.):2014 Leather –
     Measurement of area.
Rosario Mascolo summarized the results of the SSIP project. He has presented a paper at the recent IULTCS Congress (N.59 on WG3 e-Committee), which showed the results and variability in area measurement with different machines.

The following parameters are important:

- speed of through-put (roller rotation speed) – higher speed gives higher area values due to slight stretching of leathers;
- flesh side up or down – has a different friction with the surface. With flesh side up there is a slightly higher measured area. EN ISO 11646 defines measurement with the flesh side up, whereas with the machines of Type A (roller-type) and B (conveyor-type) in EN ISO 19076 tanneries generally work with flesh side down.
- angle of introduction of leathers to the rollers – need to avoid slippage and an overestimation of results;
- aspiration, with or without, for fixing to conveyor system. Wrinkles and edge folds can result in an underestimation of leather surface area for the conveyor machines, use of aspiration flattens these wrinkles and folds. This parameter is not included in EN ISO 19076;
- pin wheel has a tendency to pull the leather because pieces are hand fed;
- for image capture type machines the identification of the edges of the pieces is related to having a colour contrast between the leather and the table of the device. Also noted that this equipment measured hair extending over the edge of the leather as area;
- temperature and conditioning control, in practice most operate without any control;
- scanning machine – use glass plate on sample to keep it flat;

**Overall conclusions from SSIP project:**

- pin wheel shows variability in results very similar to the roller machine;
- surface area measurement results are affected by the device principles and procedures, so comparison of results between machine types can be inconsistent, especially for smaller and elastic/flexible leathers;
- as a first step proposes a revision of EN ISO 19076 to reduce some of the variability factors and to more accurately define some of the measurement procedures.

**Comments to a possible revision of EN ISO 19076:**

- the existing EN ISO 19076 Standard is mainly for dry leather and data is valid for dry leather. Do we need to consider a Part A for dry leather and a Part B for wet leather?
- need to more accurately define the operating procedures – see above comments. Types A (roller) and B (conveyor) machines are typically used in tannery production, the other scanning and image capture techniques are normally used for the cutting table where the leathers stay much longer.
- include precision data tables from this study in a revised Standard?

**Comments to a possible revision of EN ISO 11646:**

- opinion was not to revise ISO 11646 until it is clear how to proceed with the other measurement techniques in EN ISO 19076.
Other comments
The International Contract No. 7 of ICT and ICHALTA defines a general tolerance of 2% for area measurement, with 3% being acceptable for lighter and flexible leathers. The MID Directive specifies a tolerance of 1%.

18. Any other business for WG3/IUF
- 

The meeting resolutions are summarised in an Annex to these minutes.

20 Date and location of next meeting:
Next combined WG1/IUC, WG2/IUP and WG3/IUF meeting will be a 1½ day meeting
- at UNIC, via Brisa 3, Milan, Italy,
- on Monday, 2nd March at 14.00h – 18.00h
  & Tuesday, 3rd March at 09.00h - 18.00h

Note: On Wednesday 4th March is a WG4 meeting and a Plenary meeting of CEN/TC 289.

Convenors/Chairmen
Karine Lio (WG1/IUC)                      klio@ctcgroupe.com
Campbell Page (WG3/IUF)                    campbellpage3@gmail.com

30th November 2019
ISO and CEN Resolutions

Decisions by combined meeting:
- IULTCS test Commissions: IUC, IUP and IUF
- CEN/TC 289 WG 1, WG2 and WG3
  UNIC, Milan, 25th & 26th September 2019

CEN only Resolutions

1) **Activate new work item – adoption of ISO 10195:2018 as EN Standard**
   Leather – Chemical determination of chromium (VI) content in leather – Thermal pre-ageing of leather and determination of hexavalent chromium
   Activate a new CEN-only work item to adopt ISO 10195 as EN Standard.

2) **Activate new work item – adoption of ISO 22517:2018 as EN Standard**
   Leather – Chemical determination of pesticide residues content in leather
   Activate a new CEN-only work item to adopt ISO 22517 as EN Standard.

Systematic reviews - ISO only Resolutions

Decisions by IULTCS leather test method meeting (IUC, IUP & IUF)
(in a combined meeting with CEN/TC 289/WG1, WG2 & WG3)

Naples, 26th September 2019

Systematic reviews:

**ISO 3378:2002**
No technical comments received. Meeting approved a resolution that the Standard be re-confirmed.
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