



HEAD OF DELEGATION (HoD) REPORT

U.S. Member Body of the International
Organization for Standardization
(ISO)



U.S. National Committee of the
International Electrotechnical
Commission (IEC)

Please complete this report within one month of the completion of the international meeting and return to the ANSI staff contact indicated on Page 4 of this document.

I. Meeting of ISO/TC38/SC1 - Tests for Coloured Textiles & Colorants
II. Date 12-14 JULY 2004
III. Location TERRASSA, SPAIN

IV. Meeting Attendance

- Meeting attendance roster attached
 Meeting roster not available

Please comment on significant or unusual attendance issues (e.g., new member bodies, regular members not in attendance, new Chairman or Secretariat, non-accredited U.S. persons, etc.). Ms. Linda Riley (UK), Chaired the meeting. Attending in addition to the delegates listed on the attached roster were Mr. Brian Wooley (UK), co-secretariat SC1; Mr. Jack Daniels (USA) Co-secretariat SC1, Mr. Andy Williams, Central Secretariat, and Mr. Frank Moore (UK) TC38 Chair.

V. MEETING OBSERVATIONS

The 20th meeting of ISO/TC 38/SC 1 was held in Terrassa, Spain and was hosted by the Spanish Association for Standardization and Certification (AENOR), INTEXTER, and others and held at the Industrial House (CECOT).

Mr. Woolley reported that the UK has held the secretariat since January 2000 and the US will take the lead from January 2006. It was reported that Dr. David Hinks (USA) was substituting for Mr. R. Harold (USA) as convener of WG7. Mr. Fernand Schlaeppli (USA) retired and resigned as WG3 convener. Mr. Fujio Suga (Japan) has taken over as convener of WG3. The delegation unanimously voted to disband WG11 Characterization of Dyes.

There are now 21 P members; 21 O members, 12 Liaison members, and 8 other organizations.

Mr. Woolley reported that since early 2002 all business for SC1 is conducted electronically and all documents have been distributed via LiveLink. He reminded delegates that conveners are responsible for registering the experts on the working group side of LiveLink.

Mr. Williams, ISO/CS Technical Program Manager, gave a presentation on "Due process" and talked about the new deliverables, including PAS & IWA and the new time scales for developing standards. Mr. Williams reported that there will be a new "D" category of membership that will allow large companies

or associations to participate. Their representative will receive documents, but will not have voting rights. Conveners will make the decision as to which companies will be allowed as "D" members.

The "twinning process" was also reviewed, and Mr. Williams reported that 80% of the 147 members ISO countries are developing nations. In the twinning arrangement, if secretariats are twinned, in the event the primary partner gives up the secretariat, the secretariat does not automatically pass to the twinning partner.

Mr. Williams reviewed the relatively new ISP/REMCO guidelines for reference materials including vocabulary production and certification. Regarding reference materials, he reported that there is no objection in principle to describing a method using items available from only one source. There is special ISO wording that must be used (ISO/IEC Directives, Part 2, 6.6.3) that indicates ISO does not endorse the item.

Mr. Williams gave a review and demonstration of the capability of LiveLink and the new LiveLink Portal (ISO TC Portal).

Mr Williams spoke about the Chinese technical report on simulated wear. It was agreed that a small working group, led by Mr Lattie (US) and Ms Washington (US), would re-work the report before an ISO technical report document is published.

Report of Working Groups

Report of Working Group 1 Light and Weathering:

Concerning N1775, the USA announced that the task group leader, Mr. Lane, had retired with no replacement for this project and asked the proposal be withdrawn. The Working Group recommended to proceed with an amendment to 105-B08 to include the L series blue wools and that instrumental measurement be normative not just informative.

Dr. Schiller said that Germany has a great interest in reinstating the work on 105 B10 Colour fastness to weathering using xenon arc lamp apparatus. The Working Group recommended that a new project be initiated starting with the second WD from the prior project. Mr Riedl of Germany, will be Task Group leader, and participants would include Mr. Dietl, Germany, Mr. Brennan, USA, Mrs. Haglund, Sweden, Mr. Houillon, France, Dr. Herter, Switzerland, Mr Valldeperas, Spain.

Concerning N1979 and 2009, The working group recommended that a PWI be established for revision of 105 B02. The major differences in opinions presented at the meeting concerned the uniformity between the existing rotating rack instrument and the flat bed devices. UK agreed to take the lead conducting a ring test determining the uniformity results of rotating rack vs. flat bed. Mrs. Skorski, UK, will be Task Group leader; also participating are Mr. Suga, Japan, Mr. Reidl, Germany, Mr. Brennan, USA, Dr. Herter, Switzerland, Mrs. Haglund, Sweden, and Mr. Houillon, France. Other changes to B02 were noted:

1. It was the consensus of the experts that use of red azoic fabric be continued in the standard and in any future version of B02
2. Japan had brought out documents concerning recommended changes to B01 and B02 but these documents were not distributed early enough to permit the experts to review them. One point was to include new blue references during the ring test determining uniformity. However since the uniformity test would require at least multiple specimens per run, it was decided that there was not sufficient room in the exposure devices. Mr. Suga was asked to prepare a comparison between the Japanese blue references and the existing blue references and provide a report to the Working Group.
3. Mr. Suga had recommended a new scheme using only two covers where the first break is over exposed to read the final break. Mrs. Riebeck commented that three covers were necessary to understand the fading behavior of the dyestuffs. The consensus was to keep the use of the existing coverage.

Mr. Suga, Japan, had comments regarding changes to B01 to include Japanese window glass. No data was available at this meeting. Mr. Suga agreed to provide such data for the Working Group experts.

Regarding N1571 PWI, rs. Hammonds (UK) reported that while a considerable data had been collected,

the project leaders cannot continue the work. Dr. Schiller said that 7 years supplies exist. The problem is the dyestuff for Blue Wool 6 and a search for an alternate is proceeding. Mrs. Skorski announced that the UK has sufficient supplies for more than 10 years. It was agreed that because of the increasing use of Irradiance Monitoring and that the present supplies of blue wools are exceeding 10 years that this project (a PWI) be dropped.

Report of Working Group 2 – Washing

ISO 105-C08/Amd 1 Laundering using a non-phosphate detergent incorporating a bleach activator
An International ring test has been completed and preliminary results have been reported. Final analysis has been circulated among members. Liquor ratio of 20/1 was used and the test was acceptable. In UK group would like different liquor ratios of 50/1 and 20/1 to be incorporated in the table in the text. This is in the above amendment. The amendment was voted upon, however, the time period taken to do the work was over the two years and the item was cancelled for inactivity. Switzerland now wants to have the 50/1 liquor ratio removed from the standard. Comment was that it should not be removed in case those using the current standard would not have a standard to use. Discussion of this took place.

It was recommended that the document be submitted for a second ballot with an email to P countries to remind them to make sure that their member bodies vote on this item.

Report of Working Group 3 - Atmospheric Contaminants

N914; N958; N1801; N2057; N2077; N2101 Disperse Blue 3 has been identified as a restricted product. A study was initiated at the meetings in Charleston, SC to identify a suitable replacement for this dyestuff. Disperse Blue 56 appeared to be the best choice. An interlaboratory study was launched with labs in France, Switzerland, US, UK Germany. The results showed that the new dye was not as sensitive to NO₂. A second laboratory study was proposed using the same materials. Tom Klaas (US) reported that there was a one year supply of the standard ribbon.

The experts of WG3 will check for sources of Disperse Blue 3 and report to Fugio Suga (Japan) by the end of September.

A new interlaboratory study will be scheduled after a review of the testing protocol. Mr Suga (Japan) will be the project leader with the following countries participating; France – Laurent Houillon, Martine Dascot; Germany – Hella Reibeck; Spain – Jose Valldeperas; Switzerland – Wilfried Herter, Volker Geiger; UK – Mark Yare; US Luther Myers. The review of the protocol will be completed by the end of September. Mr. Suga will inform the participants of the timeline for the interlaboratory study by the end of January 2005.

Report of Working Group 5 – Adjacent Fabrics

N2093 and N2095 documents were prepared to replace Direct Blue 1 with Direct Blue 71. WG5 proposes to replace Direct Blue 1 with Direct Blue 71 for ISO 105-F02 once additional testing has been performed to evaluate the staining performance on additional lots of adjacent fabric. Laurent Houillon (France) will be the project leader with labs in the US and UK performing the evaluations. These additional evaluations should be completed within 6 months.

N1847 and N2095 The joint meeting of WG5 and WG7 discussed procedures to reduce the wide range of whiteness values measured during a previous interlaboratory trial.

Dr. Valldeperas (Spain) noticed that it will be necessary to check that the whiteness and tint values reported in N2095 are accurate. WG5 proposes that ISO 105-F02 and F09 be forwarded to ballot for revision with the modifications previously agreed and containing current whiteness measurements. Carol Graham (UK) will review the document to ensure that the correct information is included within preparation of the fabric.

Special Topics – Reference Materials. Andy Williams ISO/CS presented information on ISO/REMCO at the 1st Plenary session. WG5 considered that the various guides 30-35 apply to adjacent fabrics and should be used as an information reference.

N2051 which is a New Work Item Proposal and refers to a revision of Annex A of ISO 105-F10. Based on early feedback received, WG5 understands that a wider revision of the standard is needed than envisioned by this ballot. SC1 members are therefore invited to identify aspects of ISO 105-F10 requiring

attention in their responses to the ballot in N2051. Upon completion of the current ballot, ISO 105-F10 will be changed to a Preliminary Work Item instead of a New Work Item Proposal. Carol Graham (UK) is the proposed project leader. Carol Graham and Amy Hammonds (US) will prepare a complete revision of this standard after the closure of this ballot in September 2004.

Report of WG7 Colour Measurement

ISO105-A05 PWI (Resolution 2001/20) Investigate the methodology for reporting depth and lightness. Agreed to remove this resolution as a PWI. (It was noted that this item can be re-instated at a later date, if necessary).

ISO105-A06 PWI (Resolution 2001/21). Investigate the methodology leading to the establishment of colorimetric methods. Agreed to remove this resolution as a PWI. . (It was noted that this item can be re-instated at a later date, if necessary).

N2087. Inter-instrument calibration procedure of the ultraviolet content of light sources of spectrophotometers for measurement of white or coloured materials containing fluorescent whitening agents. Agreed to recommend that a NWI be established with accelerated procedure (Roland Connelly, USA, as leader). It was agreed that an international round robin trial be conducted using approx. 5 coloured and 5 white samples. Countries: UK (John Lloyd), USA (Roland Connelly), Spain (Josep Gibert), France (Martine Dascot) and Germany (Alexander Dietel). Trial procedure to be developed by USA and put on Livelink as soon as possible.

N846 Prediction of Colour Constancy. Superseded by N2105. Method for the instrumental assessment of the colour inconstancy of a specimen with change of illuminant (CMCCON02). Agreed to recommend that a NWI be established with accelerated procedure (Roger Wardman as leader), approving N2105 as CD and move directly to prepare DIS. Countries: UK (Roger Wardman), USA (Roland Connelly), Spain (Josep Gibert), France (Martine Dascot) and Germany (Alexander Dietel). Agreed to place supporting documentation on LiveLink for delegates unfamiliar with colour inconstancy indexes.

N2081 Comparison of the performance of CIEDE2000 and DECMC and N2029 Evaluation of Colour Difference Formulas.

Agreed to maintain status as PWI. Both documents showed no apparent significant difference in the performance of CIEDE2000 when compared to DECMC. Noted that Mr. Kraemer stated verbally that German study also showed the same conclusion as N2081 and N2029. (Mr. Toldrian to provide supporting documentation at a later date). Agreed to conduct ring trial on neutral and blue regions of colour space to establish independent evidence of substantial improvement of performance of new formula. Noted problem of standard colorimetric values being the average of the pair of the specimens (standard and batch) in regard to colour sorting applications. Roland Connelly to ask CIE colour difference committee to suggest a solution to the problem. Project leader: David Hinks (USA). Countries: Spain (Josep Gibert), Germany (Alexander Dietel), UK (Roger Wardman).

N1983. Determination of colour fastness grades by digital imaging techniques (also supporting documents N1985, N1987, N1989, N1991, N1993, N1995, N1997). Agreed to recommend NWI be established, on 36 month timeline. Project leader: Sue Bolton. Countries: UK (Sue Bolton), USA (David Hinks), Spain (Josep Gilbert), France (Martine Dascot), Germany (Alexander Dietel), and Sweden (Irene Haglund). Agreed to conduct international ring trial. Units to be loaned to countries concerned (coordinated by Bob Lattie). Noted that the new method would have to be a new standard (i.e., not possible to have 'option 1' and 'option 2' within one standard) with possible modification of title of current standard(s).

N2005. UK proposal for a corrigendum to ISO 105-A02 and ISO 105-A03. Agreed to approve the proposal. Noted that exact wording for corrigendum to be prepared by Roger Wardman and sent to the secretariat.

UK proposal on viewing cabinet data. Noted proposal not yet approved by UK National Body and could not be considered.

N1805. A problem in the visual assessment of changes in colour of very pale shades. Agreed to cease PWI, as no progress has been made and lack of support.

Visual assessment of colour differences. Agreed to keep as a PWI, as progress is being made toward a new CD.

N2091. Submit Information Format for Textiles (SIFT). Agreed to recommend a new working group be established under TC38. Suggested title: Digital Information for Textile Communication. Noted UK proposal on colour data format still requires formal approval at National Body level, and it is the intention that this format will be incorporated into overall protocol established by the new working group.

N2111. Amendment Proposal to J03: Calculation of Colour Differences. This document was circulated but not discussed. Agreed to place on Livelink with accompanying background statement.

Report of Working Group 13 – Miscellaneous Projects

ISO 105 D01 Colorfastness to Drycleaning Comments on document were considered. UK comments on changing the name and making it specific to a solvent. New solvents are on the market and staining is not addressed. ISO 105 X05 can be used for evaluating staining during drycleaning. This work will be referred to WG 8 Drycleaning.

ISO 105 E16 Colorfastness to Water Spotting in Upholstery Fabric

There was a vote and the project did not get enough participants to be continued. Ms Lowendahl indicated that she would like to have another ballot to try to get five participants. Spain did not receive the document for voting and Portugal and South Africa voted but their vote was not registered on N2065. A second ballot for a new work item will be done, with an email to P countries to remind them to make sure that their member bodies vote on this item.

ISO 105 N01 Colorfastness to Bleach: Hypochlorite

The formula in the document is hard to use. Question on how to use the formula. No information was available at the meeting about how to correct the interpretation of the formula. UK (Graham) and USA (Washington) will draft a correction for a technical corrigendum for making the formula clearer in the document. This will be circulated to the members of WG13 for review before it is submitted to the SC1 Secretariat for submission as a technical corrigendum for ISO 105 N01

ISO 105 X17 Colorfastness to Rubbing – Reciprocating Line Tester

Work has been done on this item. It took time to send equipment around the world to do the work. Additional testing and comparison with ISO 105 X-12 Colour fastness to rubbing will be done. Discussion of this tester took place. It is used in China for a few companies but not in general. Most of the companies in China use ISO methods. It is used in Japan and said to be used for lightweight fabrics. The equipment operates on a different principle than the instrument used in ISO 105 X-12. Spain feels that the test is reproducible and gives good results. It should be considered since it could be used in other countries even though it may not be needed by other countries. Fabrics with lower results should be found to be used in the next round robin testing. Mr. Suga will obtain additional fabrics and will send them to the USA, Mr. Myers, for testing and then the evaluation will be continued on a round robin basis. China also has offered fabrics. Fabrics will be sent by end of August, 2004. Results from new round robin USA (Myers) Testfabrics, Cotton Inc., UK(Graham), Spain (Valdeperes), Switzerland (Herter) by March 1, 2005. Mr. Suga will compile and summarize data by July 1, 2005. The summarized data will be sent to working group members for review.

ISO 105 X18 Assessment for potential for phenolic yellowing

Ballot currently out and results are not yet known. Switzerland was surprised that a weight was used, but will wait for results of the ballot. South Africa asked if instrumental color measurement should be added to the method. A change in wording will be made to indicate that the color change is evaluated by using a grey scale for staining. Two national standards bodies will be put into the standard so that an indication of contact about source of control paper will be made.

Multiple Colorfastness Procedures

N2059 Case Studies of Colorfastness to Simulate Wear

N2061 Multiple Colorfastness Test Procedures

N2063 Explanation of Multiple Colorfastness Procedures

China would like to propose this case study as a technical report. China would like to propose case 1 from the technical report as an international standard. Spain indicated that the group had agreed with a technical report but not to move it to an international standard. Switzerland indicated that this is more like a performance standard than a test method. The test methods are already in existence, so a new combined standard is not needed.

Germany indicated that the combination of already existing test methods could be proposed from many individual industries and that could get out of hand. UK (Graham) and USA (Washington) agreed with the statement. It is agreed that it should be a technical report.

Andrew Williams suggested that the information be made available on the public areas of Live Link rather than a technical report. Spain would like it to be a technical report. Discussion about wanting this as an official ISO document rather than just a document on LiveLink.

It was recommended that the document be circulated to WG13 members for comments. Comments should be submitted to China (Tong Jinzhu) by January 30, 2005. A revised document should be presented for a vote on moving it forward as a Technical Report by May 1, 2005. Results of the vote will determine whether the document will be published as a technical report or on LiveLink as a public document.

A. Overall, how well did the U.S. meet its objectives on policy or technical matters?

- Very Successful -- U.S. positions were accepted in whole
 Successful -- Compromises were reached which are acceptable to the U.S.
 Not Successful -- U.S. positions were not accepted

B. Please comment on any issues of significance which might have an impact upon materially affected or interested U.S. parties.

C. Was the U.S. delegation adequately prepared for the discussions that ensued at this TC or SC meeting?

The USA delegates were well prepared and knowledgeable having previously reviewed all documents discussed at the meetings.

D. Did the U.S. extend an offer to assume any new officer positions?

- No
 Yes, positions are indicated below:
(names are included in the Working Group Reports and contact information is available from the SC1 Secretariat)

- | | | | |
|-------------------------------------|------------------------|--------------------------|----------------|
| <input type="checkbox"/> | Secretariat | <input type="checkbox"/> | Chairman |
| <input type="checkbox"/> | Convener or Rapporteur | <input type="checkbox"/> | Project Editor |
| <input checked="" type="checkbox"/> | Project Leader | | |

E. Did the U.S. extend an offer to host any future meetings?

- Yes
 No

If yes, please identify:

Next meeting would be held in 2007. Date and place to be identified closer to time.

F. Were any new issues raised which require, or might involve, coordination with other U.S. bodies?

(Include coordination items with other U.S. TAGs, ANSI policy-level committees, the USNC, etc.)

- Yes No

If yes, please identify:

G. Was there any evidence of “bloc” or “alliance” voting by participating countries?

- Yes No

If yes, please identify any significant issues or concerns:

H. Are work items in the TC or SC being affected by related work in regional standards bodies (e.g., CEN, CENELEC, ETSI, PASC, NAFTA, COPANT, etc.)?

- Yes No
 No related regional activity

Preparation of EC member responses to TC38 matters are discussed within CEN TC248 working groups in much the same manner as USA responses are discussed within committees of ASTM , AATCC and such groups

I. Were any issues raised which relate to or impact existing U.S. regulatory matters?

- Yes No

If yes, please explain:

J. Please identify any IMMEDIATE U.S. TAG actions which will be required as a result of this international meeting.

None

K. Please identify specific decisions which the U.S. delegation believes to be noteworthy for publication.

L. What might be done to further promote the ANSI Federation's goal of "global standards that reflect U.S. interests?"

(Consider such issues as how might the U.S. further promote acceptance of related American National Standards in international and, where applicable, regional?)

M. Other Comments

(Attach additional sheet(s) as necessary)

Completed by:

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