



Document: ISO/TC38/SC 2

N 714

ISO/TC38/SC2 - Textiles --
Cleansing, finishing & water
resistance tests

Secretariat: ANSI (USA)

PLEASE REPLY TO:

John Y. Daniels
For the Secretariat of ISO/TC38/SC2
American Association of Textile Chemists and Colorists
P O Box 12215
Research Triangle Park, NC 27709-2215 (USA)
Tel: 1-919-549-3524 Fax: 1-919-549-8933
Email: danielsj@aatcc.org

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**DRAFT REPORT OF SIXTEENTH MEETING OF ISO/TC38/SC2
CLEANSING, FINISHING AND WATER RESISTANCE TESTS**

**HELD IN TERRASSA, SPAIN
14-16 JULY 2004**

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INTRODUCTION

The 16th meeting of ISO/TC 38/SC 2 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).

Previous meetings of the subcommittee were held in:

1948 Buxton	1974 Paris	1989 Williamsburg
1951 Bournemouth	1977 Ottawa	1992 Paris
1952 New York	1981 Copenhagen	1995 Abtwil (St. Gallen)
1958 Lucerne	1984 Manchester	1998 Charleston
1971 Newton	1987 Bad Soden am Tunus	2001 Göteborg
		2004 Terrassa

The following are participating members of the subcommittee:

Australia	Germany	Russian Federation
Belgium *	India	South Africa *
Canada	Italy	Spain *
China *	Japan *	Sweden *
Czech Republic	Republic of Korea *	Switzerland *
Egypt	Norway	Turkey
Finland	Poland	United Kingdom *
France *	Portugal *	USA * (Secretariat)

The observer members are:

Argentina	Ireland	Romania
Austria	Kenya	Serbia & Montenegro
Bulgaria	Mexico	Slovakia
Denmark	Morocco	Tanzania
Ecuador	Netherlands	Trinidad and Tobago
Hungary	New Zealand	

Organizations in Liaison:

AHAM - Association of Home Appliance Manufacturers
AISE - International Association of Soap, Detergent and Maintenance Products
ASTM D13 (ASTM International-D13 Textiles) *
CECED – International Committee of Textile Care
CINET - International Committee of Textile Care
CRIET - European Textile Finishers Organization (previously AITIT)
IDRC -International Dry-cleaning Research Committee
IWTO -International Wool Textile Organization

ISO/TC 72/SC5 – Textile machinery & machinery for drycleaning & industrial laundering:
Industrial laundry and dry-cleaning machinery and accessories
ISO/TC 91 – Surface active agents
IEC/SC 59D – Home laundry appliances *
IEC/SC 59E – Ironing and pressing appliances
IEC/TC 78 – Tools for live working

* The countries and organizations represented at the 16th meeting are marked with an asterisk.

PROGRAMME OF MEETINGS

<p>Wednesday 2004.07.14</p>	<p>08:40. Bus trip to Institut Industrial 09.00-11.00. Second plenary session (2.0h) 11.00-11.30. Coffee Break 11.30-13.00. Plenary session (1.5 h) 13.30-14.30. Lunch (Coupole) 14.30-16.00. First Plenary Session (1.5 h) 16.00-16.30 Coffee Break 16.30-18.00 First Plenary session cont (1.5 h) 18.30 Bus trip to hotel 20.30-23.00. Gala Dinner at Hotel Don Candido. Authorities talks.</p>	<p>SC1 Second Plenary SC1 Close SC2 First Plenary (cont'd) Combined SC1 & SC2 delegates</p>
<p>Thursday 2004.07.15</p>	<p>08.40 City bus trip to "Institut Industrial" House 09.00-10.30 WG meetings (1.5 h) 10.30-11.00 Coffee Break 11.00-13.00 WG meetings (cont) (2.5 h) 13.30-14.30 Lunch 14.30-17.00 WG meetings (2.5 h) 17.30. Bus trip to Hotel Evening free</p>	<p>WG 8 Water resistance WG 4 Appearance WG 3 Washing</p>
<p>Friday 2004.07.16</p>	<p>08.40. Bus trip to Institut Industrial 09.00-12.00 Second meeting SC2 (3.0 h)</p>	<p>SC2 Second Plenary & closing</p>

AGENDA

1. Opening of the meeting
2. Roll call of delegates
3. Adoption of the agenda (Doc N 675R)
4. Appointment of the drafting committee
5. Report of the Secretariat (Doc N 671, N 703)
6. Review of Liaisons (Doc N 678)
 - 6.1 Report on IEC 59D activities, Tom Hilgers
7. ISO/CS Technical Programme Manager, Andrew Williams – "Due Process"
 - 7.1 Livelink Demonstration
8. Order of Programme (Doc N 676)
9. Confirmation of Conveners (Doc N 679)
10. Programme of Work (Doc N 677R)
 - 10.1 WG 3 Domestic Washing & Drying
 - 10.2 WG 4 Appearance Retention (Doc. N 681)
 - 10.3 WG 8 Water Resistance Tests
 - 10.4 WG 11 Miscellaneous Technical Projects (*Did not meet*)

SECOND PLENARY SESSION

11. Adoption of minutes of the First Plenary Session
 12. Working Group Reports
- Status of all items of the programme of work and action to be taken
13. Items for future work

Systematic and periodic review of WIs and Standards

- 13.1 ISO 2313:1972 *Textiles – Determination of the recovery from creasing of a horizontally folded specimen of fabric by measuring the angle of recovery*
- 13.2 ISO 3005:1978 *Textiles – Determination of dimensional change of fabrics induced by free-steam*
- 13.3 ISO 3759:1994 *Textiles – Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change*
- 13.4 ISO 5077:1984 *Textiles – Determination of dimensional change in washing and drying*
- 13.5 ISO 15487:1999 *Textiles – Method for assessing appearance of apparel and other textile end products after domestic washing and drying*

14. Requirements concerning a subsequent meeting
15. Any other business
16. Approval of resolutions
17. Closure of the meeting

DOCUMENT INDEX

(Documents circulated before meetings)

DOC #	Title	WG	Item #
421	Determination of Maximum Safe Ironing Temperatures of Fabrics	2	10.a
436	Japanese proposal to modify ISO 7770:1985 (May 1995)	4	10.2.4
456	Maximum/Minimum Ironing Temperatures	2	10.a
469	Result of ballot on retaining N456	2	10.a
499	Japanese proposal for 3D measuring apparatus (May 1998)	4	10.2.4
602	Discussion of Quickwash Method in Sweden, 2001	3	10.1.4
605	Proposed test method for the tumble drying of textile materials	3	10.1.3
617 / 638	Draft report of 15 th Meeting; 2-3 August 2001 – Molndal, Sweden		5
660	CD 18696 – Textiles-Determination of resistance of water absorption—Tumble jar absorption test	8	10.3.3
661	CD 18695 – Textiles-Determination of resistance to water penetration—Impact penetration test	8	10.3.2
664	Result of voting on NWI N660 (CD 18696)	8	10.3.3
665	Result of voting on N661 (ISO/CD 18695)	8	10.3.2
670	Systematic Review for 2004		13
671	Report of Secretariat for 2003		5
672	ISO 6330 - Domestic washing and drying procedures for textile testing –Amendment 1	3	10.1.1
673	WD Textiles-Determination of dimensional change of fabrics-Accelerated procedure	3	10.1.4
674	Data on Precision & Bias for Doc. N673	3	10.1.4
675 / Rev	Notice of Meeting / Draft Agenda-14-16 July 2004, Terrassa, Spain		3
676	Order of Programme, Terrassa, Spain		8
677 / Rev	SC2 Current Programme of Work-2004		10
678	Review of Liaisons		6
679	Confirmation of Conveners		9
680	Reply Form for Terrassa, Spain Meetings		3
681	Agenda for SC2/WG4 – Terrassa, Spain	4	10.2
682	Report of voting ISO/DIS 7768 & Comments	4	10.2.5
683	ISO/DIS 7768.2 (Rev) Revised text	4	10.2.5
684	Report of voting ISO/DIS 7769 & comments	4	10.2.6
685	ISO/DIS 7769.2 (Rev) Revised text	4	10.2.6
686	Report of voting ISO/DIS 7770 & comments	4	10.2.7
687	ISO/DIS 7770.2 (Rev) revised text	4	10.2.7
688	Report of voting ISO/DIS 16322-1	4	10.2.1
689	ISO/DIS 16322-1.2 (Revised text)	4	10.2.1
690	Report of voting ISO/DIS 16322-2	4	10.2.2
691	ISO/DIS 16322-2.2 (Revised text)	4	10.2.2
692	Report of voting ISO/DIS 16322-3	4	10.2.3
693	ISO/DIS 16322-3.2 (Revised text)	4	10.2.3
694	Welcome Letter & Information from J. Gibert, Spanish Colourfastness Subcommittee		3

695	Portugal reply to Doc. N672 (ISO 6330 Amd)	3	10.1.1
696	Sweden reply to Doc. N672 (ISO 6330 Amd)	3	10.1.1
697	Interlab Trial report on Appearance evaluation using 3D hard replica	4	10.2.4
698	NWIP ISO 7770 (Revision to include 3D) for discussion in Spain	4	10.2.4
699	WD 7770 (Revision) Method for assessing the smoothness appearance of seams in fabrics after domestic washing and drying (to include 3D evaluation)	4	10.2.4
700	Report of Voting – comments on DIS 22958	8	10.3.1
701	Revised Text-FDIS 22958	8	10.3.1
702	USA proposed draft table for N672 – Amendment to ISO 6330	3	10.1.1
703	Report of Secretariat for 2004 Spain Meetings	5	
704	Agenda – WG 8 Water resistance – Spain meetings	8	
DOCUMENTS CIRCULATED AT THE MEETINGS, 14-16 JULY, SPAIN			
705	Preliminary results of 2004 systematic review for discussion	4	13
706	Liquid Moisture Management proposal for discussion in WG8	8	10.3
707	Aqueous Liquid repellency: Water / Alcohol Solution Resistant Test	8	10.3
708	Brief minutes of 1 st Plenary Session		11
709	Report of WG 8 Water Resistance Tests	8	12
710	Agenda – WG3 Domestic Washing & Drying	3	10.1
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712	Report of WG 4 Appearance Retention	4	12
713	Report of WG 3 Domestic Washing & Drying	3	12

BRIEF MINUTES OF THE FIRST PLENARY SESSION

(Doc. 2/ N708 has been edited and corrected for inclusion in the final report)

1. OPENING OF THE MEETING:

Mrs. Norma Keyes (USA) Chair, welcomed all delegates in attendance. She thanked the Spanish delegates and in particular Professor Gibert and Dr. Valldeperas for overseeing the arrangements and Mrs. Anglarill for the administrative assistance. She reported on how pleased the delegates were for the arrangements provided by CECOT and that all of the delegates looked forward to the evening's gala celebration for both SC1 & SC2.

2. ROLL CALL OF DELEGATES

Mrs. Keyes asked that the delegation leader introduce their delegates and she introduced the delegates at the head table including: Mr. J. Daniels (USA) Secretariat for SC2, Mr. Andy Williams from the Central Secretariat in Geneva, and Dr. Tom Hilgers representing IEC/SC59D/WG17 Global Application. Mrs. Keyes also recognized Mrs. Barbara Aylesworth, Executive Assistant to Mr. Daniels, for the tremendous support she gave in preparing the documents for the meeting.

3. ADOPTION OF THE AGENDA

The agenda as found in Doc N 675 (Revised) was confirmed.

4. APPOINTMENT OF DRAFTING COMMITTEE

A drafting committee was appointed: Mr. Frank Moore (UK), Mr. Laurent Houllion (France), Mr. Jack Daniels (Secretariat).

5. REPORT OF THE SECRETARIAT

Mr. Daniels presented his report (Doc N 703). Mr. Daniels reviewed the convenors on record for the nine working groups of the subcommittee and noted that several WG's were either inactive or would be moved to inactive status later in the meeting. He further reviewed the 24 "P" members and 17 "O" member countries of the subcommittee. Since the past meeting, New Zealand had become an "O" member, The Netherlands and Tanzania had changed from "P" to "O" member status. Unitex resigned as liaison to SC2.

Mr. Daniels reported on the systematic review as listed in his report and called attention to the status of each resolution from the prior meetings in 2001. Mr. Daniels reviewed that ISO 7772-1 *Assessment of industrial laundry machinery by its effect on textiles-Part 1: Washing machines* had been recommended for withdrawal, as there had been no one in ISO/TC72 Textile Machinery interested in liaising on this document.

6. REVIEW OF LIAISONS

Mr. Daniels called attention to Doc N 678 which provides a listing of the committees and organisations that have established liaisons with the various working groups of SC2. No additions to the liaison list were made. Mrs. Bolton (UK) reported that most of the liaisons are in

name only and that there is poor participation and communications among the listed parties. Mr. Daniels reviewed the process by which participants liaise with our respective working groups and that Mrs. Aylesworth works diligently to obtain the appropriate names and contact information from the various parties. Mr. Daniels reported that the Secretariat would again send out information to the convenors and liaising parties, so that all involved would understand their responsibilities.

6.1 Report of IEC 59D Activities

Mrs. Keyes asked Dr. Tom Hilgers to provide an update of the activities in Working Group 17 Global Application of IEC 59D. Dr. Hilgers presented a very informative Power Point Presentation, which he will e-mail to the Secretariat to forward to the delegates at the meeting. Dr. Hilgers reported on the various working group and maintenance team structure within IEC 59D and the various sub working groups within Working Group 17 – Global Application. (Secretary's Note: See Doc. N 715)

Dr. Hilgers reported on the scope of WG17 which is beginning to consider methods for including cleaning performance, fabric damage, universal testing conditions and testing materials (detergents, soil strips, etc.) in their protocols. Dr. Hilgers reviewed the WG's 4th edition published last year of IEC 60456 *Clothes washing machines for household use-Methods for measuring the performance*. Compilations of vital information regarding horizontal axis and vertical axis washing machine parameters were presented, as well as the WG'S finding of key issues and priorities.

Frank Moore (UK) thanked Dr. Hilgers for his very informative presentation and said that, as Chair of ISO/TC38 Textiles, the presentation was very applicable to Subcommittee 11 Care Labelling, as well as Subcommittee 2, where ISO 6330 *Textiles—Domestic washing and drying procedures for textile testing* needs to be brought into alignment with the revision of the care labelling document, once the revisions to ISO 3758 *Textiles—Care labelling code using symbols* are completed.

John Morris (UK) indicated that we need better collaboration among the detergent, textile, and appearance organisations and challenged the delegates to work on such co-operation. Dr. Hilgers reported that WG 17 has done little on fabric care and that they need to work closely with the activities of SC2 and SC11. It was reported that SC11 would be rolled into SC2 once the revisions to ISO 3758 were completed. Mr. Daniels reported that he and Mrs. Keyes would work with Dr. Hilgers to establish a means for liaising.

7. ISO/CS TECHNICAL PROGRAM MANAGER'S PRESENTATION ON DUE PROCESS

Mrs. Keyes reported that Mr. Andrew Williams had made a thorough demonstration of the Live Link System in the 1st Plenary meeting of SC1, and since most of the attendees to SC2 had been present at that presentation, Mr. Williams provided SC2 with an update on due process and time lines for completing projects.

Mr. Williams reported on the WTO principles for the development of international standards in order to ensure transparency, impartiality, development of effective and relevant standards, avoidance of duplication and addressing the special needs and concerns of developing countries. To achieve this goal requires effective response to market needs in respect to scientific and technology development. The process should not give preference to specific countries or regions, but recognise the special needs of countries and regions. Mr. Williams

reported on the philosophy in ISO that standards should be performance based and not descriptive based documents.

Mr. Hilgers asked if ISO also works on implementation of standards, and Mr. Williams replied that there is no similar rule in ISO on implementation as there is within CEN (European Committee for Standardization).

Mr. Morris shared his concern that the change from design or descriptive standards to performance based standards might stifle innovation. Companies need to be rewarded for their R & D effort and creativity, or innovation will cease.

Mr. Williams mentioned that if patented or unique equipment is mentioned in standards, that there is a special clause to be included which states the inclusion of equipment is not an endorsement by ISO. Andy confirmed that the rules do allow for the inclusion of patented testing equipment in ISO standards.

Mr. Williams next presented information in a presentation entitled "The Next Three Years". The presentation highlighted the fact that the default time line for standard development within ISO is now 3 years and that ISO/TC38/SC1 and SC2 have traditionally met together every 3 years. This allows very little room for slippage of time to get standards published on time. The experts need to develop plans to keep projects moving forward when problems arise with ring tests, shaping test specimens, instruments, etc. The project leaders need to remain very actively involved and to keep projects moving through frequent correspondence by telephone or e-mail.

Mrs. Keyes noted that SC24 is working on a guide (Doc. 38/ N1894 *Determination of precision of a standard test method for interlaboratory studies*) for developing precision guidelines that may be of use in developing test methods. She reported that the Chair of SC24 had been invited for the meeting of SC2 to present an update on SC24's work, but that the Chair of SC24 was unable to attend. Mr. Daniels reported that the development of the guide was a work item within SC24 and that it should not automatically require that each Subcommittee within TC38 automatically include precision statements in their standards. Mr. Williams concurred and Mr. Moore indicated that he would include that topic on the next meeting agenda of ISO/TC38.

8. ORDER OF PROGRAMME

The delegations present reviewed the program of work and approved changing the working group meeting to the following schedule:

WG8 9:00-10:30
WG4 11:00-13:00
WG3 14:30-17:00

All working group meetings would be held in the same large room as the Plenary Meetings, and since only one working group would be meeting at any time, all delegates could attend each meeting.

9. CONFIRMATION OF CONVENORS (DOC N679)

This topic was discussed during the prior report of the Secretariat. Mr. Daniels indicated that those working groups that move to inactive status would retain the convenors, so someone could be contacted if a working group needs to be reactivated.

It was reported that Mr. Robert Long would replace Mr. Robert Ruffel for WG9, which would become inactive due to no current work items. There were no other changes to the list of convenors.

10. PROGRAM OF WORK (DOC N677 REV)

Mr. Daniels called attention to the program of work in Doc N677R that provides an update on the current projects and their status under each active working group.

At the present there are no active work items for WG1 Professional Cleaning, WG6 Durability of Flame Retardant Finishing, WG9 Industrial Washing and Finishing, WG10 Water Vapor Transfer Test Methods, and WG11 Miscellaneous Technical Projects, and that all have been moved to inactive status.

Mr. Lattie (USA) made a recommendation that the one item listed in WG2, PW1 N421 *Determination of maximum safe ironing temperature* (N421, N456, N469) should be eliminated due to no activity in many years, and that WG2 will also pass to inactive status. Mr. Lattie will draft a resolution regarding this matter for WG2. (Secretary's Note: See Resolution 2004/3)

CLOSURE OF 1ST PLENARY MEETING

Mrs. Keyes thanked all for attending, reminded the delegates of the evening entertainment and thanked all for attending. The meeting ended at approximately 17.30.

MINUTES OF THE SECOND PLENARY SESSION

Opening of the Session

Norma Keyes, Chair of SC2, welcomed all delegates to the 2nd Plenary Session.

11. Adoption of minutes of the First Plenary Session (38/2/ N708)

Mrs. Keyes called for approval of the minutes from the 1st Plenary Session. The minutes were approved, with corrections to page 2 (Doc N708 attached has been revised to include the corrections indicated at the 2nd plenary session).

The minutes of the 1st Plenary Session were unanimously approved as amended by the delegations present.

12. Report of Working Groups on status of work items and action to be taken

Report of Working Group 3 Domestic Washing & Drying – N713 (See Annex A)

John Morris, Convenor, introduced the report of Working Group 3 and the recommendations from the discussions held. It was noted that Sweden was also represented, and ISO 3759 and ISO 5077 should be listed as documents discussed.

Discussions on amendments to ISO 6330 *Domestic washing and drying procedures for textile testing* resulted in Resolutions 10, 12, 13. A full revision of ISO 6330 will be done when ISO 3758 *Textiles—Care labelling code using textiles* is sent for publication. The Secretariat was requested to send a letter of invitation to all SC2 member countries to participate in this revision. (Resolution 13)

The work on Doc. N 605 *Test method for tumble drying of textiles* had delays, but will proceed.

The delegates present recommended that Doc. N 673 *Accelerated wash procedure for determination of the dimensional change of fabrics* become a NWI, which led to Resolution 11.

ISO 3759 *Textiles—Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change* and ISO 5077 *Textiles—Determination of dimensional change in washing and drying* fall within WG3 instead of WG4. The results of the Systematic Reviews of ISO 3759 and ISO 5077 were discussed and it was recommended that the documents be revised, Resolutions 14 through 17.

Report of Working Group 4 Appearance Retention – N 712 (See Annex B)

Martine Dascot, Convener, introduced the report, which led to Resolutions 4 through 8.

The delegations present agreed that ISO 15487 *Textiles-Method for assessing appearance of apparel and other textile end products after domestic washing and drying* be reconfirmed. It was determined that the other Standards from the Systematic Review do not belong to the work program for WG 4. In Recommendation 6, ISO 3759 and ISO 5077 were directed to WG3; ISO 2313 to SC24, which relates to Resolutions 14 and 16, 18 and 19.

Report of Working Group 8 Water Resistance Tests – N 709 (See Annex C)

Steve Simonson, convener, introduced the report of the working group. The proposed revisions suggested by Germany to ISO 9865 *Textiles-Determination of water repellancy of fabrics by the Bundesmann rain shower test* had not progressed. The delegations present requested that the Secretariat contact Germany to determine if the project is still of interest and have them assign a project leader. If not, the project could be dropped or the convener advised he can put forward the comments from the prior meeting.

Doc N706 *Liquid Moisture Management Properties of Porous Material Textile Fabrics* was introduced. This document is similar to ISO 9073-13 *Test method for nonwovens--Repeated liquid strike through time*, which is out for ballot in TC38/WG9 Nonwovens. This led to Recommendation 1 and Resolution 1.

Doc. N707 *Aqueous Liquid Repellency: Water / Alcohol Solution Resistance Test* is a recognized method in the industry, and it was recommended the project be accepted as a new work item. This led to Resolution 2.

The delegations present unanimously approved all working group reports as amended.

13. Items for future work

All work items requiring attention had been considered by the Working Groups and the resulting actions recorded in the Reports of the Working Groups and Resolutions.

Mr. Daniels reviewed the preliminary result of the 2004 periodical reviews (Doc. 2/N 705). Recommendations from the working groups regarding the standards would be taken into consideration when the secretariat submits the results of the voting to the Central Secretariat and member bodies.

Martine Dascot (France) noted that ISO 3005 had a low score but it was important to some countries. The delegations present agreed that ISO 3005 should be reconfirmed.

14. Requirements concerning a subsequent meeting (date, place)

The Chair reviewed the tradition of SC2 meeting every three years in conjunction with TC38/SC1.

Frank Moore reported that arrangements are being made for the next TC38 meetings in 2005 and suggested some working groups could meet during this time.

The delegation from the USA offered to host the 2007 meetings, subject to ANSI approval. As traditionally has been done, SC1 and SC2 would meet during the same week.

15. Any other business

Frank Moore mentioned that Andrew Williams has worked very hard for TC 38 and its subcommittees, being flexible and very helpful to all. However, his role at ISO is changing.

Andy expressed his pleasure at working with all these past 9-10 years and that he has also learned from us. He will be going into the mechanical engineering area, but hopes all will feel free to contact him. His replacement will be named soon.

Jack Daniels and Norma Keyes thanked Andy on behalf of all, including Barbara Aylesworth, for his guidance and support over the years and wished him well in his new position.

16. Approval of Resolutions

The delegations present reviewed all Resolutions and changed the wording or made corrections on several.

Mr. Almeida (Portugal) asked what is meant by "cleansing process." John Morris (Chair WG3, UK) explained that it would be washing, drycleaning, including drying, and new professional cleaning processes. He advised that it is also used in other means, such as evaluating seams before laundering. Mrs. Jonsson (Sweden) inquired if there was a possibility of changing the word "cleansing" to textile care'? Frank Moore (TC38 Chair, UK) said he preferred to leave the word "cleansing", but to correct the scopes of the three standards. The wording for Resolution 2004/4 would remain as written.

Regarding Resolution 2004/8, Mr. Almeida inquired if the replicas were only for evaluating seams. Bob Lattie (USA Leader) replied that only seams were discussed in the working group. Dr. Park (Korea) said he discussed using the replicas for wrinkles and creases. Mr. Lattie said that since the document is only at the preliminary work item stage, the US did not have a problem to just use 'appearance replicas.' Sue Bolton (UK) said they thought it was for all; Ms. Dascot (France) concurred. The resolution remained as written.

Karen Kylo (USA) recommended, and the UK supported, the formation of a working group in SC2 to accept ISO 3758 once it has been published. Andy Williams believed the TMB will approve ISO 3758 and that SC2 should have a mechanism in place to accept the transference of SC11 to SC2. A poll was taken of the delegations present and all agreed to form WG12 Care Labelling on its transference from SC11 to SC2 (Resolution 2004/9). Convener will be Mrs. Gunilla Jonsson of Sweden.

In regard to participation for revision of ISO 6330 upon publication of ISO 3758 (Resolution 2004/12), Norma Keyes (Chair, USA) advised that all P, O, and liaison members will be invited to participate in the work in order to get input from all countries (Resolution 2004/13).

Mrs. McCleary (South Africa) inquired if the revision of ISO 5077 and ISO 3759 included joining the two documents. Dr. Kylo (USA) said it was discussed, but the working group decided to keep them separate. (Resolutions 2004/15 and 17)

The resolutions as corrected in the meeting received unanimous approval from the delegations present.

A corrected version of the Resolutions would be included in the final report.

17. Closure of the meeting

Mrs. Keyes thanked all of the delegates for their hard work during the meetings and in working efficiently and quickly since the last meetings in 2001 to meet the mandates of the Central Secretariat. Special thanks were given to Jack Daniels and his assistant, Barbara, for administration and preparation for the meetings. Also recognized were the conveners and Frank Moore as TC38 Chair for their leadership and guidance. Best wishes and success were extended to Andy Williams in his new assignment and for his assistance as technical officer.

Mrs. Keyes extended a special thank you to the Spanish delegation for the meeting arrangements and warm hospitality.

Ms. Sue Bolton said the UK would like to have the last words, and on behalf of the delegates thanked Norma Keyes for her chairmanship. She stated that much was accomplished, leading to many resolutions.

There being no further business, the meeting was adjourned.

RESOLUTIONS (Doc. 2/N 711)

(edited)

Resolution 2004/1 WG8

The delegations present agreed that doc. N706 *Liquid moisture management properties of porous materials—Textile fabrics* be placed on the SC2 website and be sent to ISO TC38 WG9 for review prior to an electronic ballot to be conducted in December 2004 for adoption as PWI under the WG8. Project Leader : Karen Kylo (USA).

Les délégations présentes ont accepté que le document N706 soit placé sur le site Internet du SC2 et soit envoyé à ISO TC38 WG9 pour une revue avant de procéder au vote électronique en décembre 2004 en vue d'une adoption comme un thème de travail préliminaire PWI du GT8. Chef de projet : Karen Kylo (USA).

Resolution 2004/2 WG8

The delegations present agreed that doc. N707 *Aqueous liquid repellency: Water/Alcohol solution resistance test* be balloted as a NWI under the 2 year accelerated time line. This project will include an interlaboratory trial with the following participants : Laurent Houillon (France), Luis Almeida (Portugal), Miguel Moreva (Spain), Sue Bolton (UK) and Steve Simonson (USA). Project Leader : Steve Simonson (USA).

Les délégations présentes ont accepté que le document N707 soit soumis au vote comme un nouveau thème de travail NWI en procédure accélérée de 2 ans. Ce projet comprendra une campagne d'essais interlaboratoires avec les participants suivant : Laurent Houillon (France), Luis Almeida (Portugal), Miguel Moreva (Espagne), Sue Bolton (Royaume-Uni) et Steve Simonson (USA). Chef de Projet : Steve Simonson (USA)

Resolution 2004/3 SC2

The delegations present agreed to delete PWI N421 *Determination of maximum safe ironing temperatures* from the work program of SC2 due to inactivity since 1993.

Les délégations présentes ont accepté de retirer PWI N421 *Détermination des températures maximales de repassage sans risque* du programme de travail du SC2 en raison de son inactivité depuis 1993 .

Resolution 2004/4 WG4

The delegations present agreed to extend the scope of ISO/DIS 7768 *Textiles—Method for assessing the smoothness appearance of fabrics after domestic washing and drying* (N683), ISO/DIS 7769 *Textiles—Method for assessing the appearance of creases in fabrics after domestic washing and drying* (N685) and ISO/DIS 7770 *Textiles—Method for assessing the smoothness appearance of seams in fabrics after domestic washing and drying* (N687) to the cleansing process (not only to the domestic washing and drying process), and to request SC2 Secretary to take into account this extension to change the Title, the scope and the text in the appropriate clauses, after the result of voting on the 2nd DIS.

Les délégations présentes ont accepté d'étendre le domaine d'ISO/DIS 7768 *Textiles—Méthode d'essai pour l'évaluation de la régularité d'aspect des étoffes après lavage et séchage domestiques* (N683), ISO/DIS 7769 *Textiles—Méthode d'essai pour l'évaluation de l'aspect des plis des étoffes après lavage et séchage domestiques* (N685) et ISO/DIS 7770 *Textiles—Méthodes d'essai pour l'évaluation de la régularité d'aspect des coutures sur les étoffes après lavage et séchage domestiques* (N687) au process du nettoyage (non seulement le lavage et le séchage) et de demander au Secrétaire du SC2 afin de prendre en compte cette extension dans les changements du titre, du domaine d'application et du texte aux articles appropriés, après le résultat du vote du 2ème DIS.

Resolution 2004/5 WG4

The delegations present agreed to describe the requirements on the equipment used in ISO/DIS 7768 (N683), ISO/DIS 7769 (N685) and ISO/DIS 7770 (N687) in terms of functionality of the viewing conditions in order to avoid too detailed description of the accessories (i.e. length of the fluorescent lamps, thickness of plywood, etc.) and to request SC2 Secretary to change the text in the appropriate clauses, on the receipt of the details from the member bodies on illumination characteristics of the viewing conditions after the result of voting on the 2nd DIS.

Les délégations présentes ont accepté de décrire les exigences relatives à l'appareillage utilisé dans ISO/DIS 7768 (N683), ISO/DIS 7769 (N685) et ISO/DIS 7770 (N687) en termes de fonctionnalité pour les conditions d'évaluation visuelle afin d'éviter d'avoir une description trop détaillée (par exemple : longueur des lampes, épaisseur du panneau de bois, etc.) et de demander au Secrétaire du SC2 de changer le texte des articles concernés, à la réception des détails des organismes membres sur les caractéristiques de l'éclairage des conditions d'évaluation après le résultat du vote du 2ème DIS.

Resolution 2004/6 WG4

The delegations present agreed that ISO/DIS 16322-1 *Textiles—Determination of spirality change after laundering—Part 1: Knitted garments—Percentage change in wale angle spirality* (N689), ISO/DIS 16322-2 *Part 2: Woven and knitted fabrics* (N691) and ISO/DIS 16322-3 *Part 3: Woven and knitted garments* (N693) will be forwarded directly to the publication stage, if no other technical comment occurs after the 2nd DIS vote.

Les délégations présentes ont accepté que ISO/DIS 16322-1 *Textiles—Détermination de la variation du vrillage après lavage—Partie 1: Vêtements tricotés—Variation en pourcentage de l'angle de vrillage des colonnes de mailles* (N689), ISO/DIS 16322-2 *Partie 2: Étoffes tissées ou tricotées* (N691) et ISO/DIS 16322-3 *Partie 3: Vêtements tissés ou tricotés* (N693) soient envoyées directement à l'étape de publication, si aucun autre commentaire n'apparaît après le 2ème vote du DIS.

Resolution 2004/7 WG4

The delegations present agreed to accept the Japanese proposal to include the 3D replicas (N699) into ISO/DIS 7770, and request SC2 Secretary to proceed to the 3rd DIS vote, as soon as the comments on the 2nd DIS vote are received and reviewed by the Project Team. Team Leader : Komatsubara (Japan).

Les délégations présentes sont d'accord d'accepter la proposition japonaise d'inclure les répliques en 3D (N699) dans ISO/DIS 7770, et de demander au Secrétaire du SC2 de procéder

au 3ème vote DIS, dès que les commentaires sur le 2ème vote DIS seront reçus et revus par l'équipe du projet. Chef du Projet : Komatsubara (Japon).

Resolution 2004/8 WG4

The delegations present agreed to establish a PWI (title to be detailed later), based on the Korean proposal relative to the development of the "digital description of the replicas" (both photographic replicas and 3D replicas), to be reviewed by the Project Team before December 2004. Project Leader : Dr Park (Korea).

Les délégations présentes ont accepté d'établir un PWI (titre à détailler ultérieurement), fondé sur la proposition relative au développement de la "description numérique des répliques" (aussi bien sur les répliques photographiques que sur les répliques 3D), destinée à être revue par l'équipe du projet avant décembre 2004. Chef de Projet : D. Park (Corée).

Resolution 2004/9 SC2

The delegations present agreed to establish a new working group WG12 to undertake responsibility for Care Labelling on its transference from SC11 to SC2. Convenor : Mrs Gunilla Jonsson (Sweden). On publication of the revision of ISO 3758 *Textiles--Care labelling code using symbols* an electronic PWI ballot will be made to establish if a further revision is required.

Les délégations présentes ont accepté d'établir un nouveau groupe de travail GT12 pour prendre la responsabilité de l'étiquetage d'entretien lors de son transfert du SC11 au SC2. Animatrice : Mme Gunilla Jonsson (Suède). À la publication de la révision de ISO 3758 *Textiles—Code d'étiquetage d'entretien au moyen de symbols*, un vote électronique sur un PWI sera fait afin de déterminer si une révision complémentaire est nécessaire.

Resolution 2004/10 WG3

The delegations present agreed to move the amendments of ISO 6330 *Textiles—Domestic washing and drying procedures for textile testing* found in N672 forward including the comments from N695 and N696 which were discussed and agreed during the meeting to progress to FDIS by the end of September 2004. (Secretary's Correction: document should progress to DIS, not FDIS)

Les délégations présentes ont accepté de faire progresser les amendements de ISO 6330 *Textiles—Méthodes de lavage et de séchage domestiques en vue des essais des textiles* contenus dans le document N672, comprenant les commentaires des documents N695 et N696 qui ont été discutés et acceptés durant la réunion, en FDIS d'ici la fin de septembre 2004.

Resolution 2004/11 WG3

The delegations present agreed that N673 *Textiles—Determination of dimensional change of fabrics—Accelerated procedure* become a NWI on the default timeline. Project Leader : Robert Lattie (USA), with Luis Almeida (Portugal), Martine Dascot (France), Irène Häglund (Sweden), Sue Bolton (UK).

Les délégations présentes ont accepté que le document N673 *Textiles—Détermination des variations dimensionnelles des étoffes—Procédure accélérée* devienne un NWI, procédure

d'élaboration des normes par défaut. Chef de Projet : Robert Lattie (USA), avec Luis Almeida (Portugal), Martine Dascot (France), Iréne Häglund (Suède), Sue Bolton (Royaume-Uni).

Resolution 2004/12 WG3

The delegations present agreed a NWI to revise ISO 6330 upon publication of ISO 3758 on the default timeline. Project Leader : Sten Almström (Sweden), with the project team : Nodie Washington (USA), Adam Mansell (UK), Felix Frey (Switzerland – IEC liaison), Martine Dascot (France).

Les délégations présentes ont accepté un NWI afin de réviser ISO 6330 dès la publication de ISO 3758, procédure d'élaboration des normes par défaut. Chef de Projet : Sten Almström (Suède), avec comme équipe de projet : Nodie Washington (USA), Adam Mansell (Royaume-Uni), Felix Frey (Suisse –liaison IEC), Martine Dascot (France)..

Resolution 2004/13 WG3

The delegations present requested that the SC2 Secretary send a letter of invitation to participate in the revision of ISO 6330 to all member countries of ISO TC38 SC2.

Les délégations présentes ont demandé que le Secrétaire du SC2 envoie une lettre d'invitation aux pays membres de ISO TC38 SC2 pour participer à la révision de ISO 6330.

Resolution 2004/14 WG3

The delegations present agreed that ISO 3759 *Textiles—Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change* falls within the scope of the working group WG3.

Les délégations présentes ont accepté que ISO 3759 *Textiles—Préparation, marquage et mesurage des éprouvettes d'étoffe et des vêtements dans les essais de détermination de la variation des dimensions* fasse partie du domaine d'application du groupe de travail GT3.

Resolution 2004/15 WG3

The delegations present agreed that ISO 3759 be registered as a NWI for revision on accelerated track. Project Leader : Karen Kylo (USA) and Adam Mansell (UK) for the coordination of European comments.

Les délégations présentes ont accepté que ISO 3759 soit enregistré comme un NWI pour une révision suivant la procédure accélérée. Chef de Projet : Karen Kylo (USA) et Adam Mansell (Royaume-Uni) pour la coordination des commentaires européens.

Resolution 2004/16 WG3

The delegations present agreed that ISO 5077 *Textiles—Determination of dimensional change in washing and drying* falls within the scope of the working group WG3.

Les délégations présentes ont accepté que ISO 5077 *Textiles—Détermination des variations dimensionnelles au lavage et au séchage domestiques* fasse partie du domaine d'application du groupe de travail GT3.

Resolution 2004/17 WG3

The delegations present agreed that ISO 5077 be registered as a NWI for revision on accelerated track. Project Leader : Karen Kylo (USA) and Adam Mansell (UK) for the coordination of European comments.

Les délégations présentes ont accepté que ISO 5077 soit enregistré comme un NWI pour une révision suivant la procédure accélérée. Chef de Projet : Karen Kylo (USA) et Adam Mansell (Royaume-Uni) pour la coordination des commentaires européens.

Resolution 2004/18 WG4

The delegations present agreed that ISO 2313 *Textile fabrics—Determination of the recovery from creasing of a horizontally folded specimen by measuring the angle of recovery* falls within the scope of the Subcommittee ISO TC38 SC24 Conditioning atmospheres and physical tests for textile fabrics.

Les délégations présentes ont accepté que ISO 2313 fasse partie du domaine d'application du Sous Comité ISO TC38 SC24.

Resolution 2004/19 WG4

The delegations present agreed that ISO 3005 *Textiles—Determination of dimensional change of fabrics induced by free-steam* directly links to the scope of the Subcommittee ISO TC38 SC2.

Les délégations présentes ont accepté que ISO 3005 *Textiles—Détermination de la variation, dans la vapeur saturante, des dimensions des étoffes* soit directement rattaché au domaine d'application du Sous Comité ISO TC38 SC2.

ANNEXES

(Secretariat Note: Working Group reports are attached as Annexes. These reports have been edited to indicate the corrections noted during the 2nd plenary session.)

ANNEX A: REPORT OF WORKING GROUP 3 – DOMESTIC WASHING AND DRYING (Doc. 2/ N 713)

Convenor: John Morris

DATE: Thursday, July 15, 2004

Countries: France, Japan, Portugal, South Africa, Spain, Sweden, Switzerland, U.K., U.S.A.

Documents considered:

N602 Information for discussion at TC38/SC2 Meetings
N672 Amendments to ISO 6330
N673 Determination of Dimensional change of fabrics – accelerated
N674 Data on Precision and bias for N673
N695 Portugal Comments to N672
N696 Sweden Comments to N672
N702 US Comments to N672
N710 Agenda
ISO 3758
ISO 3759
ISO 5077
ISO 6330

N710

Agenda approved after a correction of ISO 3758 incorrectly designated as ISO 3748

N672

Comments received in type of ballast; for the purpose of the amendment the ballast type will not change.

N696

Concern over the tolerance levels incorporated in the amendment, which were supported by France. The ranges will be written with a \pm tolerance.

The drum parameters for the two types of horizontal axis machine will be listed as pre 2003 and post 2003.

Add IEC 60456 to the normative references. This resulted in Recommendation 1.

Discussion on the detergents outlined in the amendment concluded that all were commercially available and should remain in the amendment. The convenor will check the accuracy of the formulation with the suppliers.

N702

These comments will be held over for the full revision of ISO 6330

ISO 6330

Clarification was requested by delegates for programs 1A, 2A, 3A, 4A in Table 1. Footnote h will be amended to the following - Heat to 40°C, hold for 15 minutes with normal agitation, then raise to the wash temperature.

Tumble Dry

This project had a delay and will proceed with John Morris (UK) as project leader. The following countries have agreed to participate in an interlaboratory trial; France (Martine Dascot); Germany (to be confirmed); UK (John Morris & Carol Graham); Sweden (Reiden Lowendahl); US (Norma Keyes).

The fabrics will be distributed by mid September and a report on the results will be prepared.

N673&674

These documents were discussed which resulted in recommendation 2. The fabrics for the interlaboratory trial will be distributed by the 1st October 2004.

ISO 6330 Full Revision

This standard will undergo a full revision when ISO 3758 is sent for publication. This discussion lead to recommendations 3 & 4.

Systematic review

ISO 3759 & ISO 5077

These standards were forwarded from WG4 and resulted in recommendations 5 – 8.

Recommendation 1

WG3 propose to move the amendments of 6330 found in N672 forward with the comments from N695, 696, which were discussed and agreed during the meeting to progress to FDIS by end of Sept 2004.

Recommendation 2

WG3 propose that N673 become a NWI on the default time line. Robert Lattie (US) will be the project leader with Luis Almeida (Portugal); Martine Dascot (France); Irene Häglund (Sweden); Sue Bolton (UK).

Recommendation 3

WG3 proposes a NWI to revise ISO 6330 up on publication of ISO 3758 on the default time line. Sten Almström (Sweden) is to be the project leader. The project team will be: Nodie Washington (US); Adam Mansell (UK); Felix Frey (Switzerland – IEC Liaison).

Recommendation 4

WG3 requests that the Secretariat of SC2 send a letter of invitation to participate in the revision of ISO 6330 to all member countries of ISO TC38/SC2.

Recommendation 5

WG3 accepts that ISO 3759 falls within the scope of the working group.

Recommendation 6

WG3 proposed that ISO 3759 be registered as a NWI for revision on accelerated track with Karen Kylo (US) as project leader and Adam Mansell (UK).

Recommendation 7

WG3 accepts that ISO 5077 falls within the scope of the working group.

Recommendation 8

WG3 proposed that ISO 5077 be registered as a NWI for revision on accelerated track with Karen Kylo (US) as project leader and Adam Mansell (UK).

**ANNEX B: REPORT OF WORKING GROUP 4 – APPEARANCE RETENTION
(Doc 2/N 712)**

Convenor : Mrs Martine DASCOT, France

Meeting held on 2004-07-15 in Terrassa (Spain)

Participating countries : China, France, Japan, Korea, Portugal, South-Africa, Spain, Sweden, Switzerland, UK and USA.

Documents to considered :

Doc. N	Items :	Brief title
681		Agenda
682	ISO 7768	Smoothness appearance of fabrics – Result voting on DIS
683		Smoothness appearance – DIS revised
684	ISO 7769	Appearance of creases - Result voting on DIS
685		Appearance of creases – DIS revised
686	ISO 7770	Smoothness appearance of seams - Result voting on DIS
687		Smoothness appearance of seams – DIS revised
697		Interlaboratory trials based on 3D replicas
698		NWIP – 3D to be included ?
699		ISO/WD 7770 including 3D
688		ISO 16322-1
689	Spirality after laundering : knitted garments – DIS revised	
690	ISO 16322-2	Spirality after laundering : woven and knitted fabrics – Result voting on DIS
691		Spirality after laundering : woven and knitted fabrics – DIS revised
692	ISO 16322-3	Spirality after laundering : woven and knitted garments – Result voting on DIS
693		Spirality after laundering : woven and knitted garments – DIS revised
705	ISO 2313	Recovery from creasing – Result of 2004 systematic review
	ISO 3005	Dimensional change by free steam – Result of 2004 systematic review
	ISO 3759	Preparation for dimensional change – Result of 2004 systematic review
	ISO 5077	Determination of dimensional change – Result of 2004 systematic review

Actions taken :**N681 Agenda :**

Document N705, 2004 Systematic Review is added for discussion.

N682, N683 / N684, N685 / N686, N687 :

The decisions of the SC2 Secretariat after the result voting on the 1st DIS were reviewed and the discussion about the objective of the test method lead to enlarge the scope to more care processes and to express the viewing conditions in terms of functionality. The modifications will be done after 2nd DIS vote (**recommendations #1 and #2**).

N688, N689 / N690, N691 / N 692, N693 :

The decisions of the SC2 Secretariat after the result voting on the 1st DIS were reviewed. All the technical comments have been considered and agreed technical modifications have been included in the revised DIS (N689, N691 and N693). In order to save time, WG4 decided to propose to shortcut the FDIS stage if no new technical comments are received during the 2nd DIS vote (**recommendation #3**).

N697, N698, N699 :

Mr Komatsubara presented the results of the interlaboratory trial he has managed. The conclusions are that the Japanese 3D-replicas give similar results than the AATCC photographic references. The use of the 3D-replicas was accepted by the experts. This technical addition to ISO/DIS 7770 needs to vote again on the project (3rd DIS required). Experts are requested to send their comments and their proposal including the 3-D replicas when voting on the 2nd DIS. Mr Komatsubara is the Project Leader for the proposal (**recommendation #4**).

Mr Park (Korea) expressed the need to investigate further details about the digital description of the 3D-replicas and the photographic references. The objective of this development is to be able to prove the logical approach of the references by a digital characterization (**recommendation #5**).

N705 :

The review of the preliminary results of 2004 Systematic Review led to confirm the Secretariat recommendation for ISO 15487 (confirmation as IS). The other ISO standards don't belong to the work program of WG4 (**recommendation #6**).

RECOMMENDATIONS :**Recommendation 1**

WG4 delegates agreed to extend the scope of ISO/DIS 7768 (N683), ISO/DIS 7769 (N685) and ISO/DIS 7770 (N687) to the cleansing process (not only to the domestic washing and drying process) and to request SC2 Secretary to take into account this extension to change the Title, the scope and the text in the appropriate clauses, after the result of voting on the 2nd DIS.

Recommendation 2

WG4 delegates agreed to describe the requirements on the equipment used in ISO/DIS 7768 (N683), ISO/DIS 7769 (N685) and ISO/DIS 7770 (N687) in terms of functionality of the viewing conditions in order to avoid too detailed description of the accessories (i.e. length of the

fluorescent lamps, thickness of plywood, etc.) and to request SC2 Secretary to change the text in the appropriate clauses, after the result of voting on the 2nd DIS.

Recommendation 3

WG4 delegates agreed that ISO/DIS 16322-1 (N689), ISO/DIS 16322-2 (N691) and ISO/DIS 16322-3 (N693) will be forwarded directly to the publication stage, if no other technical comment occurs after the 2nd DIS vote.

Recommendation 4

WG4 delegates agreed to accept the Japanese proposal to include the 3D replicas (N699) into ISO/DIS 7770, and request SC2 Secretary to proceed to the 3rd DIS vote, as soon as the reception of the comments on the 2nd DIS vote.

Recommendation 5

WG4 delegates agreed to establish a PWI (title to be detailed later), based on the Korean proposal relative to the development of the "digital description of the replicas" (both photographic replicas and 3D replicas), to be documented before December 2004. Project Leader : Mr Park (Korean).

Recommendation 6

WG4 delegates agreed to request SC2 Secretary to dispatch the preliminary results of 2004 Systematic Review (N705) in the appropriate SC or WG : ISO 2313 to SC24, ISO 3005 to SC2 plenary, ISO 3759 to SC2/WG3, ISO 5077 to SC2/WG3.

Attendance List:

Martine Dascot, Convener, France	Felix Frey, Switzerland
Wang Baojun, China	Linda Riley, UK
Tong Jinzhu, China	Carol Graham, UK
Laurent Houillen, France	Adam Mansell, UK
Ryohei Komatsubara, Japan	Sue Bolten, UK
Myung Hak Lee, Korea	Frank Moore, UK
Chang Kyu Park, Korea	Norma Keyes, USA
Luis Almeida, Portugal	Luther Myers, USA
Margaret McCleary, South Africa	Shawn Meeks, USA
Isabel Conroy, South Africa	Karen Kylo, USA
Miguel Morera, Spain	Robert Lattie, USA
Milena Tzvetkova, Spain	Steve Simonson, USA
Josep Gilbert, Spain	Nodie Washington, USA
Reidun Lowendahl, Sweden	Amy Hammonds, USA
Gunilla Jonsson, Sweden	
Irene Haglund, Sweden	

**ANNEX C: REPORT OF WORKING GROUP 8 – WATER RESISTANCE TESTS
(Doc. 2/ N 709)**

Convenor: Steve Simonson

Documents considered:

N660 - Textiles Determination of resistance of Water Absorption – Tumble jar absorption
N661 – Textiles Determination of resistance to Water Penetration
N665 – Result of voting on NWIP N661
N664 – Result of voting on NWIP N660
N700 – Report on voting of ISO/DIS 2295
N701 – ISO/FDIS 22958 Textiles: Water Resistance - Rain Tests: Horizontal Exposure
N704 (Rev) – Agenda
N706 – Liquid Moisture Management Properties of Porous Material Textile Fabrics
N707 – Aqueous liquid repellency: Water/Alcohol Solution Resistance Test.
ISO 9865 (Rev) – Textiles: Determination of water repellency of fabrics by the Bundesmann rain – shower test.

DIS 22958

N700, N701

The comments from the recent ballot have been addressed and the FDIS ballot will be sent out in July.

ISO 9865 (Rev)

Proposed revisions to this standard resulted in a PWI with Germany having the project leadership. The project has not progressed. WG8 requests that the Secretariat contact Germany to determine if this project is of interest and assign a project leader. If not, the project will be dropped.

N706

Dr. Kylo presented the background on this proposed new standard as it was tabled at this meeting. Mr. Houillon reported that a similar standard is currently out for DIS ballot from TC38/WG9 Nonwovens in ISO 9073 Part 13 - Repeated liquid strike through time, which closes 22 Nov 2004. This discussion led to recommendation #1.

N707

This document was tabled at this meeting but is a recognised method in the industry. The discussion lead to recommendation #2.

Recommendation #1

WG8 proposes that N706 be posted on LiveLink to allow the experts of the working group to have time to review it and to send a notice of the document to TC38/WG9 for them to review as well. A PWI ballot will be prepared in Dec 2004 after this review.

Recommendation #2

WG8 proposes that N707 be balloted as a NWI with the accelerated timeline with Steve Simonson (US) as project leader. The following countries will participate in the interlaboratory study: France (Laurent Houillon), Portugal (Luis Almeida), Spain (Miguel Morera), UK (Sue Bolton), US (Steve Simonson).

Attendance List

Nodie Washington, USA	Sue Bolton, UK
Robert Lattie, USA	Adam Mansell, UK
Karen Kylo, USA	Mark Yare, UK
Norma Keyes, USA	Richard Smith, UK
Shawn Meeks, USA	Gunilla Jonsson, Sweden
Luther Myers, USA	Irene Haglund, Sweden
Amy Hammonds, USA	Reidun Lowendahl, Sweden
Steve Simonson, USA, Convener	Felix Frey, Switzerland
Wang Baojun, China	Martine Dascot, France
Tong Jinzhu, China	Laurent Houillon, France
Ryohei Komatsubara, Japan	Miguel Morera, Spain
Luis Almeida, Portugal	Milena Tzvetkova, Spain
	Josep Gibert, Spain

ATTENDANCE LIST

First Name	Last Name	Country	email address
Wang	Baojun	China	siti@cta.com.cn
Tong	Jinzhu	China	std2@cta.com.cn
Martine	Dascot	France	mdascot@ifth.org
Laurent	Houillon	France	lhouillon@ifth.org
Felix	Frey	Switzerland-IEC Obsv	felix.frey@empa-testmaterials.ch
Tom	Hilgers	IEC-59D	t.hilgers@testgewebe.de
Andrew	Williams	ISOCS	williams@iso.org
Ryohei	Komatsubara	Japan	ryohei@talab.co.jp
Chang-Kyu	Park	Korea	cezar@konkuk.ac.kr
Myung Hak	Lee	Korea	mh_lee@kotiti.re.kr
Luís	Almeida	Portugal	lalmeida@det.uminho.pt
Isabel	Conroy	So Africa	conroyi@sabs.co.za
Margaret	McCleary	So Africa	mccleary@sabs.co.za
Juan Josep	Alonso	Spain	alonsofj@diba.es
Josep	Busquets	Spain	none listed
Josep Maria	Gibert	Spain	josep.m.gibert@upc.es
Miquel	Morera	Spain	miguelmorera@leitac.com
Milena	Tzvetkova	Spain	ctn40@profibra.com
Sten-hakan	Almstrom	Sweden	sten.h.almstrom@electrolux.se
Irene	Haglund	Sweden	irene.haglund@ifp.se
Gunilla	Jonsson	Sweden	gunilla.jonsson@textillab.se
Reidun	Lowendahl	Sweden	reidun.lowendahl@sis.se
Sue	Bolton	UK	sue.bolton@marks-and-spencer.com
Carol	Graham	UK	carol.graham@james-heal.co.uk
Adam	Mansell	UK	adam.mansell@5portlandplace.org.uk
Frank	Moore	UK	frank_moore@johnlewis.co.uk
John	Morris	UK	johnm@technicare-services.com
Linda	Riley	UK	linda_riley@wool.com
Richard	Smith	UK	richards@sdcenterprises.co.uk
Mark	Yare	UK	markyare@sdcenterprises.co.uk
Jack	Daniels	USA	danielsj@aatcc.org
Amy	Hammonds	USA	hammona@aatcc.org
Norma	Keyes	USA	nkeyes@cottoninc.com
Karen	Kyllo	USA	karen.kyllo@intertek.com
Robert	Lattie	USA-DIgte Leader	rlattie@sdatlas.com
Shawn	Meeks	USA	testfabrics@aol.com

First Name	Last Name	Country	email address
Luther	Myers	USA	lmyers@sdatlas.com
Steve	Simonson	USA	simonson.steve@burlington.com
Nodie	Washington	USA	washington.nm@pg.com
TOTAL	39		