



**Annual Global Test Methods Meeting  
Minutes of the meeting held on 6 October 2006  
Palais de la Mediterranee, Nice - France**

<b>Participants:</b>	<b>Afera:</b>	L. Jacob	TC Chairman
		H. von Voithenberg	TC Member
		J. Türk	TC Member
		P. Broschk	TC Member
		M. Konieczko	TC Member
		Ch. Donker	TC Member
		H. Delsiene	TC Member
		J. Pomorin	TC Member
		P. Lloyd	CEN TC 253 Chair/Advisor ISO process
		A. Lejeune	Secretary-General
<b>PSTC:</b>	J. Pufahl	PSTC President	
	G. Anderson	Executive Vice President	
<b>JATMA:</b>	A. Katakura	Representative JATMA Technical Committee	
<b>CNAIA:</b>	Y. Zhang	Senior Advisor China National Adhesive Industry Association	
<b>Afnor:</b>	F. Louise-Alexandrine		

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## 1. Opening / Agenda / Competition Law Compliance

The Afera TC Chairman opened the meeting by welcoming all attendees and stated to be pleased with the high participation level in this years annual global test method meeting. As a policy within Afera the General Secretary addressed Competition Law Compliance. All present agreed to respect competition law requirements.

## 2. ISO Standards of Harmonized Test Methods

Frédérique Louise-Alexandrine as representative of Afnor and contact for Afera, PSTC and JATMA in the ISO process of all globally harmonised test methods presented some slides and documents on the status of the ISO process which are attached to these minutes (**Attachment: slides and documents Afnor**).

At the time of the annual global test method meeting global voting of the 12 members of the ISO TMB was taking place on the fast track processing of three standards on Self adhesive tapes. Early October the following information was received by Afnor:

TECHNICAL MANAGEMENT BOARD RESOLUTION 83/2006

Fast-track processing of EN 14410, EN 1939 and EN 1943

The Technical Management Board approves the submission of the following European standards for processing under the fast-track procedure:

- \* EN 14410 Self adhesive tapes - Measurement of breaking strength and elongation at break
- \* EN 1939 Self adhesive tapes - Determination of peel adhesion properties
- \* EN 1943 Self adhesive tapes - Measurement of static shear adhesion

To clarify the discussion on the rules of voting at ISO level Frédérique Louise Alexandrine informed after the meeting: an enquiry draft (DIS) is approved if 66 % of the ISO members bodies are in favour and less than 33 % are against, abstentions are excluded.

*Although not discussed in the meeting an e-mail from 3M in the US after the Nice meeting addressed to the PSTC, Afera and JATMA urged for a detailed summary of the background to submittal of the EN standards for adoption as ISO documents.*

*Peter Lloyd replied to the representatives of 3M in the US summing up the procedure that had been followed before standards were submitted to ISO:*

Quote from e-mail Peter Lloyd

- *First, the AFERA, PSTC/ASTM and CEN methods are now all identical in content. They have been prepared to be technically equivalent and wherever possible editorially or verbally equivalent.*
- *AFNOR submitted our existing 3 EN's to ISO for a request to have them considered by fast track*
- *ISO TMB apparently looked for a suitable TC to consider these test methods and asked them for comments. This was TC61 via its SC5.*
- *This subcommittee reviewed the documents and AFNOR was advised that they, TC61/SC5 did not find that the format exactly matched ISO requirements although they had been OK for CEN. Particularly the comments concerned clause and sub-clause numbering and whether clauses should or should not have titles.*
- *I replied to AFNOR with corrections which would be seen as editorial changes within CEN, ie they did not change any material technical facts or procedures. These are the same comments which I have sent on to Glen Anderson since the Nice Congress.*
- *We are advised by AFNOR who are submitting on our behalf to ISO, that these corrections would be held on file for incorporation in the final text for ISO publication. They advise that the existing CEN norms would be the documents for DIS circulation and voting and that no revised version can be used at this time.*
- *At the same time that we sent back the comments to AFNOR we pointed out that the SC5 did not really have a mandate which covered the area of pressure sensitive tapes and that to have them involved in the adoption of our methods as ISO normals would cause unnecessary delays and be counterproductive. We asked AFNOR to resubmit our methods with a reiterated request that the fast track procedure be followed.*
- *AFNOR made the re-submission as above and the ISO TMB internally voted on the subject and has recently agreed to fast track our methods. THIS WAS THE STATUS WHEN WE WERE DISCUSSING THE PROCESS AT NICE. Based on that information all was now progressing smoothly and hopefully quickly.*
- *The expectation was that ISO would send out the documents within a month or so to all voting bodies and we await a hopefully positive response needing no more than the editorial comments already identified, plus hopefully no more difficulties. This gets the documents ratified as ISO norms during 2007.*

.../end quote e-mail Peter Lloyd

After publication of ISO standards then we move into a maintenance stage which means that the ISO standards need to be reviewed every 5 years to see whether anything needs to be modified.

#### **Time Schedule ISO Standards**

Stage 40:00 (DIS) : September 30, 2006

Stage 50:00 (FDIS): March 31, 2007

Stage 60.00 (for publication): September 30, 2007

Mr. Katakura presented some slides on the JATMA Activities for International Test Methods highlighting the following items:

- JATMA assumptions on the status of International standards;
- Information from Japan Ministry of Economy, Trade and Industry;

- Previous-Forecast in Vienna;
- Forecast by JATMA now

As all items were discussed and agreed upon after the earlier explanation on the progress of the Afnor representative all expressed the hope that final publication will not exceed the mentioned date of September 30, 2007.

Mr. Katakura of JATMA was thanked for the update on behalf of the JATMA Technical Committee. Also Frédérique Louise-Alexandrine was thanked for the update on the progress of ISO standards.

### **Current Status of IEC standardisation Thickness Method**

Frédérique Louise-Alexandrine presented some slides on the status:

The request was to change clause 6 of EN 1942:2003 as follows:

« 6 Apparatus

A micrometer (calliper gauge) with two plane surfaces, the smaller of which is circular and 5 mm (instead of 8 mm) to 16 mm in diameter. The faces shall be parallel to within 5 µm and constrained to move apart along an axis perpendicular to them. When the test piece is placed between the faces the pressure exerted by the foot shall be in the range of 40 kPa (instead of 50 kPa) to 60 kPa.

The micrometer used shall be sensitive to at least 2 µm and have a graduation adapted to this sensitivity. »

Possible choices to submit the thickness method into the ISO process were layed out via a presented schedule 'EN 1942 'Self Adhesive Tapes: Measurement of thickness' – Review and ISO submission which you find attached to these minutes (**Attachment: Review and ISO Submission**).

Next steps: To be defined on the basis of the results of the CEN/TC 253 resolution.

The best case scenario process would be as follows:

- EN 1942: 2003;
- CEN/TC 253 initiates the EN 1942 systematic review;
- Sending of an enquiry form to the CEN members to vote on submission of EN 1942 systematic review;
- EN 1942 is confirmed;
- Sending of a CEN/TC 253 resolution to inform members that EN 1942 is confirmed;
- Submission of the new EN 1942 by ISO for adoption as New Work Item Proposal (at DIS stage);

In the best case scenario the Thickness method can be submitted to ISO by June/July 2007 and final publication in ISO can take place in January 2008.

### **Costs**

As the costs for the former 3 harmonised test methods submitted in the ISO process costed € 25.600 the costs for the Thickness method were foreseen (as it is a single method) for 1/3 of the former costs being € **8533,33**. As these costs are shared by the counterparts (hopefully including China and Taiwan as well) the costs are reduced per organisation and can be equally shared.

### **3. Future Global Harmonization of PSA Tape Test Methods**

As discussed in the Afera Technical Committee a few days before, Glen Anderson on behalf of the PSTC will send a prioritisation listing of methods that could be discussed for further harmonisation to Afera and JATMA (**Action: Glen Anderson**). Ms. Yan Zhang who was present in this meeting as Senior Advisor of the China National Adhesive Industry Association, will



discuss the current and possible future ISO procedure and adoption of globalised methods in China in the CNAIA Annual meeting in November (**Action: Yan Zhang**).

Together with all counterparts Afera, PSTC, JATMA and hopefully also with CNAIA and the Taiwan Regional Association of Adhesive Tape Manufacturers we should define:

- which test methods should be harmonised together;
- which test methods will be submitted in the ISO procedure;
- which test methods will each counterpart use for their own regional purposes;

#### **Test Plates**

Mr. Katakura presented some slides on the surface roughness of the testplates used for the international harmonised methods 'EN 1939 Self adhesive tapes - Determination of peel adhesion properties'.

JATMA has compared surface roughness between the Chemsultants used by the PSTC and Nihon Tact BA panel used by JATMA. After a thorough technical assesement between the two test plate providers which you can find in the slides of Mr. Katakura attached (**Attachment: Slides Mr. Katakura**) the following conclusin was drawn. We have to do some more research on surface roughness including measurement of surface roughness of the Afera panels and peel adhesion by the individual panels especially with low peel adhesion PSA tapes. We might need to add/modify measurement requirements about surface roughness when we get to the maintenance stage of the ISO standard on Peel Adhesion.

Lutz Jacob will send 12 Afera test panels to Mr. Katakura of JATMA (**Action: Lutz Jacob**) to do some further research (**Action: JATMA**).

#### **4. Next Global Test Methods Committee Meeting**

The 4th Global Test Methods Committee Meeting will take place in 2007 during the PSTC Annual meeting in Orlando. PSTC will host this meeting.

No other matters being raised, the Chairman thanked all participants for their presence and excellent contribution and closed the meeting.

**Astrid Lejeune**

**The Hague, 2 November 2006**