

# Global Test Method Committee Meeting Minutes

Date: 18 May 2016

Time: 09.00 – 12.00

Venue: The Great Wall  
Sheraton Hotel, Beijing, China

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Present: See attached Delegation Attendee List (**Attachment: List of Participants for GTF/GTMC Meetings 2016**)

Chairman: Lutz Jacob, Chairman Global Test Method Committee, Afera TC Consultant

Secretary: K. Malhotra, GTF Chair

Date of Next Meeting: Hosted by Afera most likely in conjunction with its international Technical Conference venue and exact date to be decided, April/May 2018

## **Agenda – Session:**

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1. GTMC composition
2. Review of GTMC action list of Nashville, May 2014
3. Harmonisation of Test Methods
4. Finalise Thickness Test Method, develop GTF Test Method
5. Finalise Length and Width Test Method, develop GTF Test Method
6. Status of new Loop Tack Test Method
7. Harmonisation (development) of additional Test Methods
8. Peel strength Test Method
9. Process to be used to propose and accept new test methods for harmonization
- 10/11. Incorporating GTF Test Methods into national standards
12. Methodology to develop measurement uncertainty
13. Additional business

## **1. Opening, GTMC Composition**

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1. Lutz Jacob Chair opened the meeting. Reviewed Composition of GTMC.

## **2. Review of GTMC action list of Nashville, May 2014**

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2. Reviewed Action List from Nashville Meeting.

## **3. Harmonisation of Test Methods**

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3. Reviewed history of harmonization of test methods : started in 1998 between PSTC and AFERA. Later on involved JATMA , TAAT and CATIA. Initially went through ISO and standardized three test methods:

ISO 29862-2007 for peel ; ISO 29863-2007 for shear and ISO 29864-2007 for breaking strength. These test methods have been incorporated into the national test standards by CATIA; JATMA and TAAT. AFERA has it also in the EN (European Norm) standards. USA does not have national standards for tape testing. ANSI is the US organization that deals with International standards, but through the ISO system. PSTC does work closely with ASTM. ASTM is not a national body.

Because of the cost and delays with the ISO system it was decided to harmonize the test methods through the Global Tape Forum. (GTF)

The first test method to be harmonized through the GTF was the test method for SAFT. PSTC had taken the lead for this method and AFERA followed and adapted the PSTC test method. The test method was then distributed to other GTF members and was accepted as the first GTF test method with the number GTF6001.

## **4. Finalise Thickness Test Method, develop GTF Test Method**

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4. The PSTC/AFERA thickness test method (PSTC 133; AFERA 5006) has also been accepted by all GTF members and will be assigned a GTF number. **(Action)**

## **5. Finalise Length and Width Test Method, develop GTF Test Method**

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5. The width and length proposal from AFERA and the PSTC 171 guide line was discussed. It should be approved as a guideline instead of a test method. Only metric units will be used. Once approved as a guide line it should be assigned a GTF number. **(Action)**

## **6. Status of new Loop Tack Test Method**

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6. AFERA has taken the lead in developing the loop tack test method. Results of the round robin test were presented. Two round robin tests were conducted by AFERA members. Five companies participated. The first round robin had high variability.

The second round robin had much better results and lower variability. The difference between the two round robins was that the same test panels were used in the second version. The precision of the test was not as good as that for peel strength, but it was close to it and the within lab results were better than ASTM results. No decisions were made on harmonization. JATMA is not that interested in harmonizing the loop tack method. It will await the final outcome from other GTF members as to how to proceed.

## **7. Harmonisation (development) of additional Test Methods**

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7. PSTC had proposed in an earlier meeting in Baltimore in 2015 that Dynamic Shear/Lap Shear be introduced as a harmonized test method.

## **8. Peel strength Test Method**

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8. Yoshida san from Jatma proposed that a method be developed for peel strength dependent on surface roughness.

## **9. Process to be used to propose and accept new test methods for harmonization**

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9. Discussions were held on the process to be used to propose and accept new test methods for harmonization. Kiran Malhotra will prepare a process for this for approval and distribute to the GTMC members for approval. This proposal will include a deadline for acceptance or rejection. It will include setting up a leadership role for testing. The current system is to conduct round robin testing within the individual GTF organization. But, it could be expanded to include other GTF members that would like to participate. Thereby the round robin would be done globally and not just within each organization. **(Action)**

## **10/11 Incorporating GTF Test Methods into national standards**

## **12. Methodology to develop measurement uncertainty**

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12. Walter Resch (3M; PSTC Test Method Committee) presented the methodology used to statistically present Repeatability and Reproducibility. This was the methodology used in developing the PSTC SAFT test method. The objective is to be able measure the variability inherent in any test method and not to state whether a test method is good or bad. CATIA is also developing a method for measurement uncertainty. AFERA will review its methodology. There is a need to use one system for GTF test methods going forward. **(Action)**

### 13. Other business

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13. The tenure length of the GTMC chair person was discussed. It was decided that Lutz Jacob will continue as the GTMC chair until the 2018 GTF meeting to be chaired by AFERA. At that meeting a decision for chair rotation similar to the one established for the GTF chair will be decided upon.

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