

Global Tape Forum (GTF)

Meeting Minutes

Date: 24 April, 2024

Time: 14:00 – 18:00

Venue: Jeurong Hotel in
Shanghai, China

Present:

See Appendix A: Delegation Attendee List (Appendix A: Participant List GTF Meetings 24 April, 2024)

Chairman:

Michael Yang, Secretary General of CATIA

Secretary:

Hu Yang, Manager of Information Dept. of CATIA

Date of Next Meeting:

November 17(Tue)-19(Thu), 2026, Tokyo, hosted by JAMTA

Agenda

1. Welcome
2. Review and accept minutes from the Brussels meeting 2023
3. Review the Objectives of the GTF as published on the website
4. Review Action items from the Brussels meeting 2023.
5. Membership: Review potential for more members
6. Organizational structure: Nominate and install the Chairman and the Vice-Chairman for the following 2-year term
7. Budget
 - a. Treasurer's report
 - b. Decision on additional funding
8. Demand increase initiatives:
 - a. Presentation of tape market and trends in each country and region by each association
 - b. Presentation of the regulations for Environmental, Health and Safety in each country and region by each association
 - c. Discussion on global initiatives of promoting demand increase
9. Discussion on the harmonized classification terminology
10. GTF Awareness: Discussion on the possibility of launching an International Adhesive Tape Day.
11. Discussion on beyond 2024 venue and term
12. Conclusion

1. Welcome

Mr. Michael Yang, Secretary General of CATIA and current Chairman of GTF, opened the afternoon meeting by welcoming the group of international delegates. And warmly thanked all the participants' support and help, especially from Afera, PSTC, JAMTA and TAAT.

2. Review and accept minutes from the Brussels meeting 2023

Mr. Michael Yang reviewed the minutes from the Brussels meeting last year and reviewed the agenda points and conclusions of the pre-meeting.

3. Review the Objectives of the GTF as published on the website

Mr. Michael Yang reviewed the objectives of the GTF as published on the website:

- Harmonize key adhesive tape test methods.
- Establish a database of environmental and regulatory trends by region.
- Gather top-level production data according to agreed categories.
- Share an open calendar of global adhesive tape educational events. Everyone should benefit from participating in each other's regional events.
- Hold biennial meetings hosted by member associations on a rotating basis.
- Establish a small shared fund for running costs.
- Appoint a fixed team of volunteer delegates, plus a secretariat from each member association to serve a 3-year term.

4. Review Action items from the Brussels meeting 2023

Dr. Evert Smit and Mr. Michel Merckx talked about the database issues of relevant documents on the GTF website. They suggested that people could be able to download the relevant documents from the GTF official website.

5. Membership: Review potential for more members

Mr. Michael Yang asked about the possibility of increasing the members of GTF.

Mr. Michel Merckx suggested that India and South America might be relevant options but was not sure about the status of such Associations in these regions. He also stated that, as a point of principle, the GTF should remain open for potential new member associations.

Dr. Evert Smit agreed with Mr. Michel Merckx that India should be considered, and he mentioned that he is in contact with an adhesive association named ICATA in India but awaits a status update.

Mr. Michael Yang also agreed that GTF should keep open, and he also mentioned that ICATA was more focused on adhesives rather than tapes.

6. Organizational structure

Mr. Michael Yang and Mr. Kiran Malhotra nominated Mr. Kensei Takahashi, the Secretary General of JAMTA as the Chairman for the following 2-year term. And Mr. Kensei Takahashi was accepted by all GTF members.

7. Budget

•Treasurer's report

Ms. Alice Chang, Secretary General of TAAT, made the financial report for GTF from the period of 2011 to 2023, and the net income until this meeting was 8,916.48 US Dollars.

•Decision on additional funding

Afera is administering the GTF web page. Dr. Evert Smit explained the increases in the Web/domain costs in 2023 and 2024 due to the SLA cyber security and maintenance.

Mr. Michel Merkx offered the consideration to increase the funding for the GTF account.

ACTION:

- After review and discussion all members agreed that each GTF member will deposit \$3,000 US Dollars by the end of June, 2024.
- Ms. Alice Chang to provide bank account details of GTF to all the GTF members after the meeting.

8. Demand increase initiatives

Presentation of tape market and trends in each country and region by each association/Presentation of the regulations for Environmental, Health and Safety in each country and region by each association

Afera——

Dr. Evert Smit first presented the details about the Afera such as the composition of members, global counterpart organizations and teaming up with associations. Then he elaborated on the market of PSA, tape and specialty tape in Europe and world. He also pointed out that the greatest threats in tape businesses are regulations and foremost trends affecting tape business is working towards a circular economy. He presented the European regulations for the environmental, health and safety. He explained the concepts underlying the European Green Deal: 2019-2024, regulatory affairs, Packaging and Packaging Waste Regulation (PPWR) and regulatory requirements in detail. At the end, he showed us the Afera/IVK PCF calculation tool timeline.

JAMTA——

Mr. Kensei Takahashi presented JATMA aimed at overall improvement in the growth of Japanese adhesive tape industry and contributing to public benefit with 14 members and 81 supporting members in the association. JAMTA divided the adhesive tape market into 5 different categories, Paper, Cloth, Film, Specialty tapes and Sheet.

Mr. Kensei Takahashi presented the market sales and volume in Japan for each category and explained the diffusion index related to the infection wave, especially the situation in 2021. On the subject of environmental, health and safety issues he presented data on the VOC used and emission amounts by adhesive tape production of member companies that are reported to the Japanese government. VOC reduction, challenges to free VOC were further elaborated. He stated that the Japanese PSA tape market volume was shrinking slowly, Covid issue impacted not only the volume of adhesive tape market, but also resulted in higher prices. Tape manufacturers promoted high value-added production with sustainable management.

TAAT——

Dr. Chi-Yue Wu, Technical Consultant of Four Pillars Enterprise Co., Ltd., from TAAT presented an overview of the association. And Dr. Wu elaborated the Sustainable Development Goals (SDGs) and 2050 Net-zero Transition for the regulations and environmental parts in Taiwan.

PSTC——

Mr. Michel Merkx presented details about the PSTC organization and the committees. There are six active committees (Education, Marketing, Technical, Member Services, EH&S and the Global Tape Forum) functioning currently. He stated that the North American tape market is expected to grow at a CAGR of 5.1% in the period 2022 to 2028 and the specialty tape market is expected to grow at 5.6% CAGR in the same period. He presented PSTC's market research for 7 sectors (Aerospace, Marine, Railway/Automotive/Appliances/ Construction and Building/Electronics/Medical/Other Manufacturing, Fabrication, or Component Assembly). The purpose of the market research was to understand the decision drivers that were influencing current specification and usage of different bonding solutions, assessing the key barriers to converting usage of other bonding solutions to PSA tape, and identifying the industries and applications that were most likely to convert.

CATIA——

Mr. Michael Yang presented the market and trends of tapes in China by comparison of national GDP growth rate and China's tape industry production growth rate, changes in tape industry segments in China, production, and growth rate of various types of adhesive tape in China and import and export situation of tape in China from 2019 to 2023. He also summarized China's tape industry for 2023 into six development features. At the end, he believed that the market opportunities and trend of tape industry would be in transportation, medical products, consumer electronics, and industrial manufacturing fields and UV hot melt pressure-sensitive adhesive, bio-based and biodegradable adhesive tape products, he concluded that China adhesive tape industry would enter a transformation stage of "low-speed and high-quality development".

Mr. Hu Yang made the presentation on the topic of regulations for environment and safety in Mainland China. First, he talked about Industrial policy updates for the past 4 years, and then presented legal requirements for plastic pollution treatment of *Opinions on Further Strengthening the Treatment of Plastic Pollution* and *"Fourteenth Five-Year Plan" Action Plan for Plastic Pollution Control*. Finally, he summarized 7 standards were implemented in 2023, one was national standard and 6 were industry standards.

•Discussion on global initiatives of promoting demand increase

Mr. Michel Merckx suggested giving more thought about possible global initiatives but perhaps we could expand on a working (best practice) initiative of one of the GTF organizations.

9. Discussion on the harmonized classification terminology

Mr. Michael Yang mentioned the examples of the **Adhesive Industry**, in 2012, all the Adhesive Associations harmonized classification terminology for adhesive industry, and the harmonized manual was updated in 2022.

Dr. Evert Smit said that in the tape industries, the classification was more complicated than that of adhesive industries and giving more explanation and definition of different tapes might make the task easier.

Mr. Michel Merckx agreed with Dr. Smit and elaborated on that point.

Mr. Kensei Takahashi said that it was difficult to realize the application of different types of tapes.

Ms. Alice Chang said that she agreed the classification from all the perspectives, no matter from the substrates of materials or applications.

Mr. Kiran Malhotra said that we should know the purpose of making the classification, rather than just classifying arbitrarily.

10. GTF Awareness

Mr. Michael Yang made the discussion on the possibility of launching an International "Adhesive Tape Day", he mentioned that 9.29 (September 29) was the international day of adhesive, should we propose a day of International Adhesive Tape Day?

Dr. Evert Smit said that we should do it from the perspective of our customers, and we should advertise our products into the areas that need to do the advertising.

Mr. Michel Merckx believed that International "Adhesive Tape Day" was a good tool for promoting tapes.

Mr. Kensei Takahashi commented on the details of an International "Adhesive Tape Day", we should hold seminars or activities or giving gifts on this day.

Ms. Alice Chang agreed with the proposal of launching an International "Adhesive Tape Day".

Mr. Michael Yang concluded that more information should be discussed in the next

GTF meeting.

11. Discussion on beyond 2024 venue and term

Mr. Kensei Takahashi stated that the next meeting will take place from November 17 to 19, 2026, at Hamamatsucho Convention Hall, Tokyo. And that the Tokyo Metropolitan government would provide *Financial Support, In-Kind Support* and *Event Marketing Support*. He welcomed all the people to take part in the next meeting.

12. Conclusion

All the GTF members agreed that Mr. Kensei Takahashi will be the GTF Chairman for the following 2-year term.

Mr. Michael Yang thanked all the participants for their kind supports and participation.

Appendix A



7th GTF Participant List

April 24, 2024, JEURONG Hotel Shanghai

(in no particular order)

1. Michel Merkx, Board Member, Pressure Sensitive Tape Council (PSTC)
2. Kiran Malhotra, Chairman, PSTC Test Method Committee and GTMC
3. Evert Smit, President, AFERA - The European Adhesive Tape Association
4. Kensei Takahashi, Secretary in General, Japan Adhesive Tape Manufacturers Association
5. Akiyoshi Masuda, Technical Committee Chairman, JATMA Technical Committee (Maxell, Ltd.)
6. Takashi Shirakawa, Deputy General Manager, Kikusui Tape Ltd.
7. Alice Chang, Secretary General, Taiwan Regional Association of Adhesive Tape Manufacturers
张玉贞 秘书长，台湾区粘性胶带工业同业公会
8. Erh-Kun Chou, Taiwan Regional Association of Adhesive Tape Manufacturers
周兒坤 理事，台湾区粘性胶带工业同业公会
9. Chi-Yue Wu, Technical Consultant, Four Pillars Enterprise Co., Ltd.
吴启裕 技术顾问，四维企业股份有限公司
10. Michael Yang, Secretary General, China Adhesives and Tape Industry Association
杨栩 秘书长，中国胶粘剂和胶粘带工业协会

11. Amy Li, Director of Membership Dept., China Adhesives and Tape Industry Association

李勇 会员部主任，中国胶粘剂和胶粘带工业协会

12. Hu Yang, Manager of Information Dept., China Adhesives and Tape Industry Association

胡阳 信息部经理，中国胶粘剂和胶粘带工业协会

13. Fly Xie, General Manager of Jiangsu Tex Year, Tex Year Group

谢飞翔 江苏德渊总经理

14. Marc Liang, Sales Director, Tex Year Group

梁俊伟 营业总监，德渊企业股份有限公司

15. Arthur Won, BU General Manager, Tex Year Group

翁振华 事业部总经理，德渊企业股份有限公司

16. Zhang Yi, Vice General Manager, Novacel (Shanghai) Co., Ltd.

张毅 副总经理，诺凡赛尔（上海）保护膜有限公司

17. Li Bangzeng, Asia Pacific Technical Manager, Novacel (Shanghai) Co., Ltd.

李帮增 亚太区技术经理，诺凡赛尔（上海）保护膜有限公司

18. Joy Ji, Marketing Director, Guangdong West Tech New Material Co., Ltd.

纪云云 市场总监，广东威斯达新材料有限公司

19. Hao Xiaopeng, Technical Manager, Zhejiang Guan Hao New Material Co., Ltd.

郝晓鹏 技术经理，浙江冠豪新材料有限公司

20. Sunny Zhong, General Manager, LECCO (Zhongshan) Adhesive Products Co., Ltd.

钟泽燊 总经理，联冠（开平）胶粘制品有限公司

21. Wei Lin, R&D Manager, LECCO (Zhongshan) Adhesive Products Co., Ltd.

魏林 研发经理，联冠（开平）胶粘制品有限公司

22. Habry Zhou, Supervisor, UPM (China) Co., Ltd.

周海波 主管，芬欧汇川（中国）有限公司

23. Marvin Wang, Technical Director, Jiangsu Jaour Hot Melt Adhesive Co.,

Ltd.

王文敏 技术总监，江苏嘉好热熔胶股份有限公司

24. Wilson Wang, Deputy Sales Director, Zhejiang Jinke Adhesive Products Co., Ltd.

王凯 销售副总，浙江金科胶材股份有限公司

25. Calvin Tong, R&D Director, Zhejiang Jinke Adhesive Products Co., Ltd.

童文来 技术总工，浙江金科胶材股份有限公司

26. Li Zhonghua, General Manager, Guangzhou Startec New Material Co., Ltd.

李仲华 总经理，广州星业新材料有限公司

27. Wei Haoren, R&D Director, Guangzhou Startec New Material Co., Ltd.

韦豪任 研发总监，广州星业新材料有限公司

28. Summer Xiong, Vice Director, Eternal Materials Co., Ltd.

熊燕 事业副部长，长兴材料工业股份有限公司

29. Kerwin Tsao, Eternal Materials Co., Ltd.

曹国纬 博士，长兴材料工业股份有限公司

30. Nick Pan, Vice General Manager, Eternal Materials Co., Ltd.

潘金城 副总，长兴材料工业股份有限公司

31. Huang Wenzhi, R&D, RHEO Technology Co., Ltd.

黄文志 研发，上海十盛科技有限公司

32. Pan Yuzhi, General Manager, Microland (Shanghai) Limited

潘裕之 总经理，裕光新材料科技（浙江）有限公司

33. Wei-Jen Lin, RD, Chung Hwa Pulp Corporation

林威任 研发，中华纸浆股份有限公司

34. Murphy Ho, Plant Manager, Chung Hwa Pulp Corporation

何晋伟 生产厂长，中华纸浆股份有限公司

35. Selina Zhu, Assistant Procurement Manager, Lohmann Adhesive Tape Technologies Tianjin Co., Ltd.

朱文擎 采购助理，罗曼胶带技术（天津）有限公司

36. Cheng Shijun, R&D Manager, Shushi Group Co., Ltd.

程世君 研发经理，舒氏集团有限公司

37. Gao Song, R&D Engineer, Shushi Group Co., Ltd.

高松 研发工程师，舒氏集团有限公司

38. Xia Zhaoxiang, R&D Engineer, Shushi Group Co., Ltd.

夏赵祥 研发工程师，舒氏集团有限公司

39. Wang Dan, Senior Manager, Tesa Plant (Suzhou) Co., Ltd.

王丹 高级经理，德莎（苏州）胶带技术有限公司

40. Ding Hongmei, Project Manager, Shanghai Huayi Group Investment Co., Ltd.

丁红梅 项目经理，上海华谊集团投资有限公司

41. Huang Zhicong, Chairman, Pao Yan Industrial Technology (Nantong) Co., Ltd.

黄智聪 董事长，宝燕工业科技（南通）有限公司

42. Shining Deng, General Manager, LUM (Jiangsu) Instruments Co., Ltd.

邓世宁 总经理，罗姆（江苏）仪器有限公司

43. Miao Yunxin, Technical Sales Manager, LUM (Jiangsu) Instruments Co., Ltd.

缪云新 技术销售经理，罗姆（江苏）仪器有限公司

44. Jia Xiaochuan, Global Sales Manager, Guangzhou WUX Material Science Co., Ltd.

贾小川 外贸销售经理，广州五行材料科技有限公司

45. Zhu Shuangcheng, Marketing Director, Jiangsu Smith New Material Technology Co., Ltd.

朱双程 市场部总监，江苏晶华新材料股份有限公司

46. Zhang Yanlin, Marketing Assistant, Jiangsu Smith New Material Technology Co., Ltd.

张艳琳 市场分析助理，江苏晶华新材料股份有限公司

47. Daniel Zhu, Marketing Manager, BASF (China) Co., Ltd.

朱炜炜 市场经理，巴斯夫（中国）有限公司

48. Fu Haiping, Technical Manager, Shanghai Synthomer Chemicals Co., Ltd.

符海平 技术经理, 上海昕特玛化学品有限公司

49. Liu Hanxiang, Sales Director, Wing Tai (Zhongshan) Co., Ltd.

刘汉祥 销售总监, 永大(中山)有限公司

50. Gao Fugang, Technical Manager, Dongguan Co-Mo Adhesives Co., Ltd.

高福刚 技术经理, 东莞市成铭胶粘剂有限公司

51. Kevin Hsu, Technical Senior Chemist, TSRC (Shanghai) Industries Ltd.

许凯胜 资深化学师, 台橡(上海)实业有限公司

52. Wu Tong, Global Segment Leader, Dow Chemical (China) Investment Co., Ltd.

吴桐 陶氏有机硅压敏胶全球市场经理, 陶氏化学(中国)投资有限公司