

Foreword

This booklet is one of outcomes of the APEC Seminars and Training Courses (APEC TILF projects, CTI- 25 / 2007T) in Legal Metrology titled 'Workshops on Metrology in Food Safety, Agricultural Products and Product Safety' which was held on June 4-6, 2008 at the Lakeview Hotel in Hangzhou City, P. R. China.

This workshop was a follow-up meeting of the first one held in Thailand in February 2007. It was organized by APLMF and National Metrology Institute of Japan (NMIJ) and supported by General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China (AQSIQ), Chinese Society for Measurement (CSM) and National Measurement Institute, Australia (NMIA). Having this result, I would like to extend my sincere gratitude to all the staffs of AQSIQ and CSM who have made efforts for the outstanding preparation and all the speakers from member economies who contributed to this workshop. Also, special thanks should be extended to the APEC Secretariat for their great contributions.

We have conducted the survey among the APEC member economies concerning seminar and training programs in legal metrology to find their needs as well as possible resources available in the region. The survey shows that more and more people have increasing concerns over the quality and safety of foods and agriculture products. Also, there is a strong need for a seminar designed on food safety, agricultural products and products safety, which is one of the most important categories in legal metrology closely connected to our daily life.

Main objective of this workshop was to bring together experts from APEC/APLMF member economies to build on the outputs from the first workshop held in Thailand in February 2007. The speakers have presented the case studies that review existing metrological infrastructure within APEC/APLMF economies with a view to identifying what is working and possible solutions to issues yet to be addressed. The contents of the seminar were classified into four topics: Legal metrology infrastructure for quality measurements of agricultural products, Preparation and use of CRMs (certified reference materials), Measurement for food safety and health, Product safety (other than foods) - legal metrology issue. Presentations on each topic were delivered by the speakers that are experienced in the fields.

In this view, the workshop provided an important opportunity to the experts in the Asia-Pacific region to clarify the present situation on development of legal metrology infrastructure, food safety, agricultural trading and product safety in the member economies, share information on metrological requirements for food safety set in the region, introduce methods for quality evaluation, explain technical procedures for verification of

measuring instruments and discussing the issues that exist in the region. I would like to say that this is certainly a valuable step to promote the establishment and development of robust metrological infrastructure for food safety, agriculture product and product safety in the developing economies.

I am really pleased to have this fruitful outcome from the workshop and again deeply appreciate the APEC Secretariat's generosity in contributing to the development in legal metrology among the APLMF member economies.

July 16, 2008



Mr. Pu Changcheng
APLMF President

Summary Report

In these days, huge amounts of goods including agricultural products are traded across borders within the Asia-Pacific region. Accordingly, more people have become anxious about the quality and safety of such goods and there is an increasing need for the development of reliable systems to determine the quality of product. In addition, such systems are also required to achieve international trade without technical barriers to trade (TBT). A robust metrological infrastructure plays a critical role in the removal of TBT by underpinning the quality and safety of exported products. However, developing economies exporting agricultural products are particularly facing difficulty to construct a reliable technical infrastructure including measurement standards for food quality and food safety.

In order to facilitate these requirements in the region, the first APEC / APLMF Workshop on Metrology of Agricultural Products and Foods was held in February 2007 in Chiang Mai, Thailand. The present workshop is a follow-up workshop of the first one and aims to bring the experts from APEC / APLMF member economies together in order to build upon the outcomes of the first Workshop.

The open workshop titled as “Workshops on Metrology in Food Safety, Agricultural Products and Product Safety” was held from June 4 to 6, 2008 at the Lakeview Hotel in Hangzhou, PR China organized by APLMF and APEC. This workshop was also supported by the organizations: (1) General Administration of Quality Supervision, Inspection and Quarantine of the People’s Republic of China (AQSIQ), (2) Chinese Society for Measurement (CSM), (3) National Measurement Institute, Australia (NMIA), and (4) National Metrology Institute of Japan (NMIJ).

A total of 65 participants including the 24 speakers attended the workshop from the following 14 economies: Australia (3), PR China (38), Hong Kong China (3), Indonesia (3), Japan (3), DPR Korea (1), Malaysia (1), Mexico (2), Mongolia (1), Papua New Guinea (1), Philippines (1), Thailand (5) and Vietnam (1), where () indicates the number of participants from the economy. The attendance from PR China also included supporting staff from AQSIQ and invited guests from the China Jiliang University in Hangzhou, which is one of the three universities in the world dedicated to the teaching of metrology. Some of the speakers were supported with travel fund by APEC or APLMF. The host economy and APLMF provided the venue, transportations, tours and meals.

On Wednesday, June 3rd, the workshop started off with the opening ceremony, where Mrs. Kong Xiaokang (Deputy Director General, International Cooperation Department, AQSIQ) delivered an opening address on behalf of the host economy and Mr. Li Jinsi (AQSIQ / APLMF secretary) delivered an address on behalf of APLMF. After the opening ceremony, the topics listed in Table 1 were presented by the speakers and discussed with all participants for three days until Friday.

**Table 1 List of Sessions and Presentations in the Workshop
held on June 4-6, 2008**

Session 1 Legal Metrology Infrastructure for Quality Measurements of Agricultural Products Chair: Dr. Tsuyoshi Matsumoto, Co-chair: Mr. Yang Youtao	
1. 1	Measurement Infrastructure for Quality of Agricultural Products / Report on Current OIML Activities (tentative) by Dr. Grahame Harvey (NMIA, Australia)
1. 2	National Standard of Rice as a Metrological Infrastructure by Mr. Rusmin Amin (DoM, Indonesia)
1. 3	Estimation of Harvest Quantity of Rice by Device by Mr. Hiroshi Yamahira (Kett Electric Lab., Japan)
1. 4	Metrological Infrastructure to Support Legal Metrology in Chemical Measurements by Dr. Yoshito Mitani (CENAM, Mexico)
1. 5	Agriculture and Metrology in Papua New Guinea by Mr. Victor Vaporoketo Gabi (NISIT, Papua New Guinea)
1. 6	Current Topics on Quality Measurement of Foods in the Philippines by Ms. Marilyn Fos (ITDI, Philippines)
1. 7	Measurements of Starch Content in Cassava by Mr. Surachai Sungzikaw (Northern Weights and Measures Center, Thailand)
1. 8	Measurement Traceability and Transmission for GMC/GMF Nucleic Acids Detection by Dr. Xiaohong Zhou (National Institute of Measurement and Testing & Southern Medical University, PR China)
Session 2 Preparation and use of CRMs (certified reference materials) Chair: Dr. Wang Jing, Co-chair: Mr. Osman Zakaria	
2. 1	Need for New CRMs in Food Safety & Agricultural Products by Dr. Wang Jing (NIM, PR China)
2. 2	Current Activities of TCQM in APMP / CRMs for Environmental Measurements by Dr. Kenji Kato (NMIJ, Japan)
2. 3	Certified Reference Materials; Tools for Achieving National Traceability and International Comparability of Measurement by Dr. Osman Zakaria (SIRIM Bhd., Malaysia)
2. 4	Current Situation on CRM for Food Safety in Vietnam by Mr. Nguyen Truong Chinh (VMI, Vietnam)

Session 3 Measurement for Food Safety and Health Chair: Mr. Hiroshi Yamahira, Co-chair: Dr. Yoshito Mitani	
3. 1	Metrological Support to the Mexican National Residue Control Plan for Food Safety by Dr. Norma Gonzalez-Rojano (CENAM, Mexico)
3. 2	The Role of a National Legal Metrology Authority in Food Safety Control for Public Health in Thailand by Dr. Niphon Popattanachai, Mrs. Jongkolnee Vithayarungruangsri and Mrs. Duangdao Wongsommart (Food Safety Operation Center, Thailand)
3. 3	Measurement in Food Safety and Inspection in Mongolia by Ms. Khishigmaa Dorjgur (MASM, Mongolia)
3. 4	China Jiliang University and Its Development in Bio-metrology by Prof. Yu Xiaoping (China Jiliang University, PR China)
3. 5	Assurance of Measurement Result of Chinese Foods and Agricultural Products by Chemical Metrology by Prof. Li Hongmei (National Institute of Metrology, PR China)
3. 6	Current Status on Quality Measurement of Foods in DPR Korea by Mrs. Kim Yun Hui (Quality Certification Center of the DPR Korea)
Session 4 Report of the Small Working Group (SWG) Meetings Chair: Mrs. Marian Haire, Co-chair: Dr. Grahame Harvey	
Session 5 Workshop on Metrology in Product Safety Other Than Foods Chair: Mr. Stephen O'Brien, Co-chair: Dr. Chuen-shing Mok	
5. 1	Metrology in Chemistry in Relation to Consumer Protection and Product Safety-the Hong Kong Experience by Dr. Chuen-shing Mok (Government Laboratory, Hong Kong China)
5. 2	How Product Safety Laws Work in New Zealand by Mr. Stephen O'Brien (Measurement and Product Safety Service, New Zealand)
5. 3	Establishment of National Chemical Metrology Traceability System for RoHS Directive by Prof. Ma Liandi (National Institute of Metrology, PR China)
Session 6 Summary Chair: Dr. Tsuyoshi Matsumoto, Co-chair: Mr. Li Jinsi	

At the end of all presentations, a summary session was arranged on Friday 9th chaired by Dr. Matsumoto and Mr. Li Jinsi to summarize all topics and to discuss future planning for the next workshop. In the summary discussion, a lot of valuable suggestions and requests for the future were proposed. The following list provides some examples of the suggestions.

1. need for additional CRMs;
2. need for international or regional databases;
3. need for primary measurement method and measurement standard;
4. support for developing economies to develop appropriate measurement standards for use with agricultural measurements;
5. cooperation with other regional organizations in metrology such as APMP;
6. consider the different measurement requirements for legal metrology, scientific metrology and food safety;
7. need to develop and present appropriate training on agricultural quality measurements.

Moreover, many participants requested follow-up workshops to be conducted in the future. The completed summary of these discussions will be published from the secretariat in due course as a final APEC report of the workshop.

On Friday, the workshop was concluded with a closing ceremony. Firstly Mr. Liu Xinmin (Deputy Director General, Department of Metrology, AQSIQ) delivered a closing address from the host economy. Additional closing remarks from Dr. Tsuyoshi Matsumoto and Mr. Li Jinsi followed his speech.

Besides the workshop, the host economy kindly provided activities to encourage further discussion and to build friendship among the participants. A welcome dinner at the restaurant in the Lake View Hotel was arranged on Wednesday evening. On Friday, the participants visited the National Center for Quality Supervision and Test of Aquatic Products and Food Process in Hangzhou to see an advanced facility to inspect food and agricultural products. They also enjoyed a boat cruise on the West Lake, a well-known lake in PR China referred to as the "heaven on the earth" with picturesque scenes that are commonly seen in traditional Chinese paintings. On departure, the host provided the participants with a CD-ROMs containing copies of the speakers manuscripts and slides and photos taken during the workshop.

In conclusion, as the chair of the WG that coordinated this workshop I would like to sincerely express my deepest gratitude to the hard work and dedicated support provided by the staff of the host economy. I also greatly appreciate all participating APLMF economies as well as all participants, who provided informative presentations and valuable suggestions during the discussions. I particularly appreciate the support of Mrs. Marian Haire of NMIA, Australia in preparing for and organizing this workshop. It is great pleasure for me because this workshop has been finished successfully in thanks to the dedicated cooperation with the member economies. The timing and place of the next workshop will probably be decided at the APLMF forum meeting in October in Sydney.

Dr. Tsuyoshi Matsumoto
Chair, Working Group on Quality Measurements
of Agricultural Products



**Asia-Pacific
Economic Cooperation**



**Asia-Pacific
Legal Metrology Forum**

**APEC / APLMF Seminars and Training Courses in Legal Metrology
(CTI 25 / 2007T)
Workshops on Metrology in Food Safety, Agricultural Products
and Product Safety**

June 4-6, 2008

at the Lakeview Hotel Hangzhou in Hangzhou city, PR China

Program

1. Organizers:

1. Asia-Pacific Economic Cooperation (APEC)
2. Asia-Pacific Legal Metrology Forum (APLMF)

2. Supporting Organizations:

1. General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China (AQSIQ)
2. Chinese Society for Measurement (CSM)
3. National Measurement Institute, Australia (NMIA)
4. National Metrology Institute of Japan (NMIJ)

3. Objective:

These days, huge amounts of goods are traded across borders within the Asia-Pacific region. Increasingly, more people have become anxious about the quality and safety of such goods and are interested in developing a reliable system to determine the quality of internationally-traded goods.

According to the requirement to realize international trade without technical barriers to trade (TBT), developing economies producing agricultural products for export are requested to achieve reliable technical infrastructure including measurement standards for both product quality and food safety in order to obtain international competitiveness. A robust metrological infrastructure plays a critical role in the removal of technical barriers to trade by underpinning the quality and safety of export products.

In order to facilitate these objectives, the first APEC / APLMF Workshop on Metrology of Agricultural Products and Foods was held in February 2007 in Thailand. This proposed workshop is a follow-up meeting of the first workshop and aims to bring together experts from APEC / APLMF member economies to build on the outputs from the first Workshop by:

- a) drafting guideline documents in legal metrology for APEC / APLMF economies, and
- b) presenting case studies that review existing metrological infrastructure within APEC /

APLMF economies with a view to identifying what is working and possible solutions to issues yet to be addressed.

In addition to the Workshop on Agricultural Products and Foods, another Workshop on Product Safety Other Than Foods has been newly added and combined. From the viewpoint maintaining health and safety in daily life, people also concern about safety of machineries and instruments used at home including toys, tools, electrical appliances / equipments, etc. This short a half-day workshop on the final day intends to provide the experts working on safety and hazard issues of such products to present current international / regional movements and exchange information with experts in metrology.

4. Agenda

4.1. Small Working Group Meetings (SWGs) on June 2-3 (*invitation only*) :

Prior to the APEC/APLMF Workshops, parallel **Small Working Group Meetings** (SWGs) organized by the APLMF WG on Metrological Control Systems will be held to draft three APLMF guideline documents for use by the APEC/APLMF economies.

- SWG1: The APLMF Guide to Developing a National Infrastructure for Legal Metrology
- SWG2: The APLMF Guide to Legal Metrology for Stakeholders
- SWG3: The APLMF Guide to the Preparation and Use of CRMs (certified reference materials)

4.2. Open Sessions of the APEC/APLMF Workshop on June 4-6 :

Open sessions will be jointly organized by the APLMF Secretariat, WG on Quality Measurements of Agricultural Products, and WG on Training Coordination with the following agenda.

- 1 Legal metrology infrastructure for quality measurements of agricultural products
 - 1.1 Quality measurement of moisture, protein, fat and saccharimetry, etc.
 - 1.2 Measurements of special products such as starch, cane, coffee, milk, wine, water, etc.
 - 1.3 Measurement standards, calibration and traceability systems
 - 1.4 Legal control of measuring instruments
 - 1.5 Issues re: packaging and labeling
 - 1.6 The role of a national legal metrology authority
- 2 Preparation and use of CRMs (certified reference materials)
 - 2.1 Legal control of CRMs
 - 2.2 Need for new CRMs
 - 2.3 Measurement standards and traceability for CRMs
 - 2.4 The role of a national legal metrology authority
- 3 Measurement for food safety and health
 - 3.1 Measurements underpinning food safety and inspection
 - 3.2 Hazard and risk assessments
 - 3.3 International regulations or guidelines for food safety
 - 3.4 The role of a national legal metrology authority
- 4 Report of the Small Working Group (SWG) Meetings
- 5 Product safety (other than foods) - legal metrology issues
 - 5.1 Mechanical, chemical and electrical safety of products

- 5.2 Legal controls for product safety
- 5.3 International regulations and guidelines for product safety
- 5.4 The role of a national legal metrology authority

5. Program (Venue: Lakeview Hotel Hangzhou)

June 2 (Mon) SWG	Small Working Group (SWG) Meetings to develop APLMF Guideline Documents (<i>participation only by invitation</i>) *¹	
	09 : 00-10 : 00	Plenary session Chair; Dr. Grahame Harvey, Co-chair; Mr. Yang Youtao
	10 : 00-17 : 00 <i>include lunch & coffee breaks</i>	SWG1: The APLMF Guide to Developing a National Infrastructure for Legal Metrology SWG2: The APLMF Guide to Legal Metrology for Stakeholder Chair; SWG3: The APLMF Guide to the Preparation and Use of CRMs (Certified Reference Materials) Chair; Dr. Yu Yadong
June 3 (Tue) SWG	09 : 00-16 : 00 <i>include lunch & coffee breaks</i>	Chair; Dr. Grahame Harvey
	16 : 00-17 : 00	Summary session
June 4 (Wed) Open Sessions in the Sapphire Hall	APEC / APLMF Workshop on Metrology in Food Safety, Agricultural Products and Product Safety * ²	
	09 : 00- 09 : 30	<i>Registration</i>
	Opening ceremony	
	09 : 30- 09 : 50	Welcome Address from the Host by Mrs. Kong Xiaokang (International Cooperation Department, AQSIQ)
		Welcome Address from APLMF by Mr. Li Jinsi (APMF Secretariat)
		Take a group photo
	Session 1. Legal Metrology Infrastructure for Quality Measurements of Agricultural Products Chair; Dr. Tsuyoshi Matsumoto, Co-chair; Mr. Yang Youtao	
	09 : 50-10 : 30	1. 1 ; Measurement Infrastructure for Quality of Agricultural Products / Report on Current OIML Activities (tentative) by Dr. Grahame Harvey (NMIA, Australia)
		1. 2 ; National Standard of Rice as a Metrological Infrastructure by Mr. Rusmin Amin (DoM, Indonesia)

June 4 (Wed) Open Sessions in the Sapphire Hall	10 : 30 -11 : 00	<i>Coffee break</i>
	11 : 00 -12 : 15	1. 3; Estimation of Harvest Quantity & the Best Time of Rice by Device by Mr. Hiroshi Yamahira (Kett Electric Lab. , Japan)
		1. 4; Metrological Infrastructure to Support Legal Metrology in Chemical Measurements by Dr. Yoshito Mitani (CENAM, Mexico)
		1. 5; Agriculture and Metrology in Papua New Guinea by Mr. Victor Vaporoketo Gabi (NISIT, Papua New Guinea)
	12 : 15-12 : 30	Questions & answers session
	12 : 30 -14 : 00	<i>Lunch break</i>
	14 : 00 -15 : 20	1. 6; Current Topics on Quality Measurement of Foods in the Philippines by Ms. Marilyn Fos (ITDI, Philippines)
		1. 7; Measurements of Starch Content in Cassava by Mr. Surachai Sungzikaw (Northern Weights and Measures Center, Thailand)
	15 : 00 -15 : 30	<i>Coffee break</i>
	15 : 30 -17 : 30	1. 8; Measurement Traceability and Transmission for GMC / GMF Nucleic Acids Detection by Dr. Xiaohong Zhou (National Institute of Measurement and Testing & Southern Medical University, PR China)
		Session 1: Discussions and Key Points
	19 : 00 -21 : 00	<i>Welcome dinner at the Lakeview Hotel</i>
June 5 (Thu) Open Sessions in the Sapphire Hall	Session 2. Preparation and use of CRMs (certified reference materials) Chair; Dr. Wang Jing, Co-chair; Mr. Osman Zakaria	
	09 : 00 -10 : 20	2. 1; Need for New CRMs in Food Safety & Agricultural Products by Dr. Wang Jing (NIM, PR China)
		2. 2; Current Activities of TCQM in APMP / CRMs for Environmental Measurements by Dr. Kenji Kato (NMJJ, Japan)
		2. 3; Certified Reference Materials; Tools for Achieving National Traceability and International Comparability of Measurement by Dr. Osman Zakaria (SIRIM Bhd. , Malaysia)
	10 : 20 -10 : 50	<i>Coffee break</i>
	10 : 50 -11 : 50	2. 4; Current Situation on CRM for Food Safety in Vietnam by Mr. Nguyen Truong Chinh (VMI, Vietnam)
		Session 2: Discussions and Key Points

June 5 (Thu) Open Sessions in the Sapphire Hall	Session 3. Measurement for Food Safety and Health Chair; Mr. Hiroshi Yamahira, Co-chair; Dr. Yoshito Mitani	
	11 : 50 - 12 : 30	3.1 ; Metrological Support to the Mexican National Residue Control Plan for Food Safety by Dr. Norma Gonzalez-Rojano (CENAM, Mexico) 3.2 ; The Role of a National Legal Metrology Authority in Food Safety Control for Public Health in Thailand by Dr. Niphon Popattanachai, Mrs. Jongkolnee Vithayarungruangsri and Mrs. Duangdao Wongsommart (Food Safety Operation Center, Thailand)
	12 : 30 - 14 : 00	<i>Lunch break</i>
	14 : 00 - 16 : 00	3.3 ; Measurement in Food Safety and Inspection in Mongolia by Ms. Khishigmaa Dorjgur (MASM, Mongolia)
		3.4 ; China Jiliang University and Its Development in Bio-metrology by Prof. Yu Xiaoping (China Jiliang University, PR China)
		3.5 ; Assurance of Measurement Result of Chinese Foods and Agricultural Products by Chemical Metrology by Prof. Li Hongmei (National Institute of Metrology, PR China)
		3.6 ; Current Status on Quality Measurement of Foods in DPR Korea by Mrs. Kim Yun Hui (Quality Certification Center of the DPR Korea)
		Session 3 : Discussions and Key Points
	16 : 00 - 16 : 30	<i>Coffee break</i>
	Session 4. Report of the Small Working Group (SWG) Meetings Chair; Mrs. Marian Haire, Co-chair; Dr. Grahame Harvey	
	16 : 30 - 17 : 30	4.1 ; Report by Chair of Each SWG Plus Discussion with All Participants
June 6 (Fri) Open Sessions, Closing in the Sapphire Hall & Tours	Session 5. Workshop on Metrology in Product Safety Other Than Foods Chair; Mr. Stephen O'Brien, Co-chair; Dr. Chuen-shing Mok	
	09 : 00 - 10 : 40	5.1 ; Metrology in Chemistry in Relation to Consumer Protection and Product Safety - the Hong Kong Experience by Dr. Chuen-shing Mok (Government Laboratory, Hong Kong China) 5.2 ; How Product Safety Laws Work in New Zealand by Mr. Stephen O'Brien (Measurement and Product Safety Service, New Zealand)

June 6 (Fri) Open Sessions, Closing in the Sapphire Hall & Tours		5.3; Establishment of National Chemical Metrology Traceability System for RoHS Directive by Prof. Ma Liandi (National Institute of Metrology, PR China)
		Session 5: Discussions and Key Points
	10:40-11:10	<i>Coffee break</i>
		Session 6. Summary Chair: Dr. Tsuyoshi Matsumoto, Co-chair: Mr. Li Jinsi
	11:10-12:00	6.1; Discussions on Summarizing all Topics, Future Planning of the Next Workshop and APLMF Future Activities.
		Closing ceremony
	12:00-12:20	Closing Address from the Host by Mr. Liu Xinmin (Department of Metrology, AQSIQ)
		Closing Address by Dr. Tsuyoshi Matsumoto (WG on Quality Measurements of Agricultural products / NMII)
		Closing Address from APLMF by Mr. Li Jinsi (AQSIQ)
	12:30-14:00	<i>Lunch break</i>
		Technical tour
	14:00	<i>Leave the hotel lobby by bus</i>
	14:00-16:00	Technical tour to the National Center for Quality Supervision and Test of Aquatic Products and Food Process in Hangzhou
	16:00-17:00	<i>Lake tour by boat</i>
	18:00-20:00	<i>Farewell Dinner at the Louwailou Restanrant</i>

- * 1 Organized by the APLMF WG on Metrological Control Systems.
- * 2 Jointly organized by the APLMF secretariat, WG on Quality Measurements of Agricultural products, and WG on Training Coordination.

6. Registration

6.1. Categories of participants

The participants to the present workshop are grouped into the six categorizes below.

- 1. Organizers of the workshop (APEC Experts):** Organizers who will cooperatively lead and organize the entire workshop. This category actually includes the APLMF President, Secretariat, Executive Committee members, chairpersons of the three APLMF Working Groups on (1) Metrological Control Systems, (2) Quality Measurements of Agricultural Products, and (3) Training Coordination.
- 2. Primary chairpersons of SWGs (APEC Experts):** Primary chairpersons of three SWGs. They

will actively lead and organize the discussions in the SWGs. They are required to provide a **summary report** of the discussion to be reported in the open sessions.

- 3. Primary chairpersons of open sessions (APEC Experts):** Primary chairpersons of the **five topics** in the **open sessions** (5.2). They will actively lead and organize discussions in the open sessions. They are required to submit a **summary report** of the discussion after the workshop.
- 4. Co-chairpersons (APEC active participants):** Co-chairpersons who will support one of the primary chairpersons of the SWGs or open sessions explained in 2. and 3. They will help the primary chairperson to provide a summary report. They must be one of the **speakers** of the open sessions if they request a travel support.
- 5. Speakers (APEC active participants):** Mere speakers of the open sessions who will not take a responsibility of any kind of chairpersons. They simply provide a presentation on their knowledge or situation in their economy to support the workshop.
- 6. Mere participants:** Audience or support staff who will not take a responsibility of any kinds of chairpersons and will not provide any presentations.

6.2. How to Make a Registration

If you wish to participate in the workshop and/or SWGs, please complete the attached **registration form** by indicating the **category** you wish to participate and send the form to the **APLMF secretariat** to the contact address shown on the form. The **deadlines** of registration are **April 30th** for the categories 1-5 (speakers & chairs) and **May 16th** for the category 6 (mere participants).

If you wish to provide a **presentation** in the open sessions under one of the **categories 1-5**, the registration form must be accompanied with an **abstract** within one page (A4) outlining:

1. How your metrological infrastructure / technique supports the topics you have an interest in the workshop,
2. Issues and problems encountered within national metrological infrastructures in your economies, and
3. Possible solutions that could be implemented within the region.

It is recommended if the abstract also highlight how your presentation builds on the 1st Workshop held in 2007 in Thailand (see “Handbook on Metrology of Agricultural Products and Foods” on the APLMF website).

6.3. Selection of Chairpersons and Speakers

The chairpersons and speakers will be selected by the APLMF secretariat in cooperation with the three APLMF WGs on Metrological Control Systems, Quality Measurements of Agricultural Products, and Training Coordination. The selected chairpersons and speakers will be informed from the secretariat before the workshop.

7. Travel Support:

- **APEC travel support (1)**, comprising a roundtrip economy-class airfare and per diem including accommodation, is available for the **APEC Experts** in the categories **1, 2 and 3** of the chapter 6. 1.

- **APEC travel support (2)**, comprising a roundtrip economy-class airfare and per diem including accommodation, is available for the **APEC active participants** in the categories **4 and 5** of the chapter 6. 1. The eligible participants must belong to one of the economies; Chile, Indonesia, Malaysia, Mexico, Papua New Guinea, Philippines, Peru, the Russian Federation, Thailand, and Viet Nam.
- **APLMF / AQSIQ travel support** is available for the participants in the **categories 1-5** from one of the **non-APEC economies** but belong to one of the **APLMF full member economies**.

APEC and APLMF travel support will cover **one speaker per economy** unless otherwise permitted by the APLMF secretariat in order to organize the workshop. Participant (s) approved for travel support will be finally decided by the APEC / APLMF Secretariat. We welcome more self-funded speakers will join the workshop.

8. Visa Assistance:

If you need a visa to enter PR China, please complete the bottom section of the Registration Form under “Visa information”. This information will be forwarded to the host by the APLMF Secretariat. On receipt, the host will send an official letter of invitation to support visa applications.

9. Venue and Accommodation:

LAKEVIEW Hotel

Add: 2 West Huancheng Road Hangzhou, PR China

Tel: +86 571 87078888 , Fax: +86 571 87071350

[http: //www. lakeviewhotelhz. com](http://www.lakeviewhotelhz.com)

If you wish to reserve a room at the venue with a rate of **¥500 RMB (About USD72.00) / day (Included tax)**, please complete the Hotel Reservation Form and send it to the host in PR China by **May 16th 2008**.

10. Access Information:

If you Arrive at the Xiaoshan International Airport (in Hangzhou) you can take a taxi to the Hotel (it takes 40 minutes) ; If you arrive at the Shanghai Pudong International Airport you can take Bus from there to Hangzhou City (you can find the Bus Station just get out from Gate 15 on the Ground Floor, the Tel: +86 21 68345743, Every 2hours has one Bus to Hangzhou, It takes 3.5 Hours and RMB 85.00) and then by TAXI to the Hotel.

11. Submission of documents and slides:

If you hope your documents and / or slides would be distributed at the workshop in a hard copy, please be advised to send your documents (soft copy) to the secretariat <APLMF@aqsiq.gov.cn> by **MAY 26**.

12. Contacts for the APEC / APLMF Meetings:

1. APLMF Secretariat (registration and travel support)

Ms. Zheng Huaxin and Mr. Li Jinsi

c/ o General Administration of Quality Supervision, Inspection and Quarantine of the PR China (AQSIQ), No. 9 Madiandonglu, Haidian District, Beijing, 100088, P. R. China
e-mail: aplmf@aqsiq.gov.cn

Tel: +86-10-8226-0335 or 1849 Fax: +86-10-8226-0131

2. Host in PR China (visa assistance, accommodation and venue)

Ms. Xie Hongyan and Ms. Wu Xiaomin

General Administration of Quality Supervision, Inspection and Quarantine of the PR China (AQSIQ), Dept. of International Cooperation

e-mail: Xiehy@aqsiq.gov.cn Fax: 86-10-82260215 Tel: 86-10-82262174

Participants List
APEC/APLMF Seminars and Training Courses in
Legal Metrology (CTI-25/2007T)
Workshop on Metrology in Food Safety,
Agricultural Products and Product Safety

No.	Category	Economy	Name	Organization
1	Chair/organizer	Australia	Mrs. Marian Haire	National Measurement Institute , Australia
2	Chair/organizer	China, PR	Mr. Han Jianping	International Cooperation Department, General Administration of Quality Supervision, Inspection and Quarantine
3	Chair/organizer	China, PR	Mr. Yang Youtao	Beijing Institute of Metrology / Chairman of WG on Metrological Control Systems (WG on MCS)
4	Chair/organizer	China, PR	Dr. Yu Yadong	National institute of Metrology P. R. China (NIM)
5	Chair/organizer	Japan	Dr. Tsuyoshi Matsumoto	National Metrology Institute of Japan (NMIJ) , AIST
6	Chair & speaker	Australia	Dr. Grahame Harvey	National Measurement Institute , Australia
7	Chair & speaker	China, PR	Dr. Wang Jing	National institute of Metrology P. R. China (NIM)
8	Chair & speaker	Hong Kong China	Dr. Chuen-shing Mok	Government Laboratory
9	Chair & speaker	Japan	Mr. Hiroshi Yamahira	International Marketing, Kett Electric Laboratory
10	Chair & speaker	Malaysia	Dr. Osman Zakaria	National Metrology Laboratory, SIRIM Berhad
11	Chair & speaker	Mexico	Dr. Norma Gonzalez-Rojano	Centro Nacional de Metrología (CENAM)
12	Chair & speaker	New Zealand	Mr. Stephen O'Brien	Measurement and Product Safety Service, Ministry of Consumer Affairs
13	Speaker	China, PR	Prof. Li Hongmei	Executive Director, Division of Chemical Metrology and Analytical Science (NIM)
14	Speaker	China, PR	Prof. Ma Liandi	Deputy Director of Chemical Metrology & Analytical Science Division National Institute of Metrology

15	Speaker	China, PR	Dr. Xiaohong Zhou	GMOs Research Center, Guangzhou, Branch Institute under National Institute of Measurement and Testing & Southern Medical University
16	Speaker	China, PR	Prof. Yu Xiaoping	College of Life Sciences, China Jiliang University
17	Speaker	Indonesia	Mr. Rifan Ardianto	Directorate of Metrology
18	Speaker	Indonesia	Mr. Rusmin Amin	Directorate of Metrology
19	Speaker	Japan	Dr. Kenji Kato	Organic Analytical Chemistry Division, National Metrology Institute of Japan (NMIJ), AIST
20	Speaker	Korea, DPR	Mrs. Sin Yong Ae	Food Safety Division, Quality Certification Center of the DPR Korea (QCC)
21	Speaker	Mexico	Dr. Yoshito Mitani	Materials Metrology Directorate, Centro Nacional de Metrologia (CENAM)
22	Speaker	Mongolia	Ms. Khishigmaa Dorjgur	Mongolian Agency for Standardization and Metrology
23	Speaker	Papua New Guinea	Mr. Victor Vaporoketo Gabi	Acting Assistant Director -Metrology, National Institute of Standards & Industrial Technology
24	Speaker	Philippines	Ms. Marilyn Fos	National Metrology Laboratory- Industrial Technology Development Institute- Department of Science and Technology
25	Speaker	Thailand	Mrs. Duangdao Wongsommart	Department of Medical Sciences, Ministry of Public Health, Thailand
26	Speaker	Thailand	Mrs. Jongkolnee Vithayarungruangsri	Food safety Operation center, Ministry of Public Health
27	Speaker	Thailand	Dr. Niphon Popatanachai	Department of Medical Sciences, Ministry of Public Health
28	Speaker	Thailand	Mr. Surachai Sungzikaw	Northern Weights and Measures Center (Chiang Mai)
29	Speaker	Vietnam	Mr. Nguyen Truong Chinh	Lab of Physico- Chemical Parameters & Reference Materials - Vietnam Metrology Institute
30	Participants	Hong Kong China	Dr. Siu Kay Wong	Government Laboratory

31	Participants	Hong Kong China	Dr. Tong Siu- kuen (Katherine)	Food Research Laboratory, Centre for Food Safety, Food and Environmental Hygiene
32	Participants	Indonesia	Mr. Deden Muham- mad Fajar Shiddiq	Metrology Training Center
33	Participants	Korea , DPR	Mrs. Song Myong Hwa	Food Safety Division, Quality Certifica- tion Center of the DPR Korea (QCC)
34	Participants	Thailand	Mr. Sakchai Hasamin	Weights and Measures Bureau, Depart- ment of Internal Trade, Ministry of Com- merce
35	Participants	Thailand	Mr. Veerasak Vis- sutthatham	Director, Weights and Measures Bureau, Department of Internal Trade, Ministry of Commerce
36	Local Participants	China, PR	Mr. Chen Hao	Hangzhou Entry- Exit Inspection & Quran- tine Beureau
37	Local Participants	China, PR	Mr. Chen Wenwei	China Jiliang University
38	Local Participants	China, PR	Mr. Dong Sheng- zhang	China Jiliang University
39	Local Participants	China, PR	Mr. Ge Jian	China Jiliang University
40	Local Participants	China, PR	Ms. Geng Feifei	Hangzhou Entry- Exit Inspection & Quran- tine Beureau
41	Local Participants	China, PR	Mr. Huang Guan- grong	China Jiliang University
42	Local Participants	China, PR	Mr. Li Hongliang	China Jiliang University
43	Local Participants	China, PR	Mr. Li Jia	China Jiliang University
44	Local Participants	China, PR	Ms. Li Suhua	China Jiliang University
45	Local Participants	China, PR	Mr. Lin Xinda	China Jiliang University
46	Local Participants	China, PR	Mr. Liu Jun	China Jiliang University
47	Local Participants	China, PR	Ms. Lu Xiulian	China Jiliang University
48	Local Participants	China, PR	Ms. Piao Meihua	China Jiliang University
49	Local Participants	China, PR	Ms. Shang Hanwu	China Jiliang University
50	Local Participants	China, PR	Ms. Shen Tuxuping	China Jiliang University
51	Local Participants	China, PR	Mr. Wu Xingzhi	Hangzhou Entry- Exit Inspection & Quran- tine Beureau

52	Local Participants	China, PR	Ms. Ye Zihong	China Jiliang University
53	Local Participants	China, PR	Mr. Zhang Sheng	China Jiliang University
54	Local Participants	China, PR	Ms. Zhang Yongjun	China Jiliang University
55	Local Participants	China, PR	Ms. Zhu Min	China Jiliang University
56	APLMF	China, PR	Mr. Guo Su	AQSIQ / new APLMF Secretary
57	APLMF	China, PR	Mr. Li Jinsi	Beijing Institute of Metrology (c/o Department of Metrology, AQSIQ)
58	APLMF	China, PR	Ms. Zheng Huaxin	Department of Metrology, General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China (AQSIQ)
59	Host	China, PR	Mr. Liu Xinmin	Department of Metrology, General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China (AQSIQ)
60	Host	China, PR	Ms. Yu Min	Lakeview Hotel