

# ASIA - PACIFIC LEGAL METROLOGY FORUM

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## Fourteenth Meeting Report

October 18 – 20, 2007

Yunhai Resort Zhouzhuang, People's Republic of China

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### 14<sup>th</sup> Asia-Pacific Legal Metrology Forum Meetings October 18 – 20, 2007

Hosted by the General Administration of Quality Supervision, Inspection and Quarantine, the 14<sup>th</sup> APLMF meetings were held from October 18<sup>th</sup> through 20<sup>th</sup>, 2007 at the Yunhai Resort Zhouzhuang in People's Republic of China. The Meetings were attended by delegates from full member economies and five guests from the international and regional organizations.

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\* The numbers in parentheses indicate the document IDs in the booklet handed out at the forum meeting.

# List of Participants

**Table 1-1 Hosts**

<b>People's Republic of China</b>	Mrs. Kong Xiaokang	General Administration of Quality Supervision, Inspection and Quarantine (AQSIQ)
	Ms. Xie Hongyan	General Administration of Quality Supervision, Inspection and Quarantine (AQSIQ)
	Ms. Ma Yan	General Administration of Quality Supervision, Inspection and Quarantine (AQSIQ)
	Ms. Ding Zhiyin	General Administration of Quality Supervision, Inspection and Quarantine (AQSIQ)
	Mr. Zhang Zhiping	General Administration of Quality Supervision, Inspection and Quarantine (AQSIQ)
	Ms. Yuan Shili	General Administration of Quality Supervision, Inspection and Quarantine (AQSIQ)
	Ms. Li Xia	General Administration of Quality Supervision, Inspection and Quarantine (AQSIQ)

**Table 1-2 President and Secretariat**

<b>President</b>	Dr. Akira Ooiwa	National Metrology Institute of Japan, National Institute of Advanced Industrial Science and Technology
<b>Executive Secretary</b>	Dr. Tsuyoshi Matsumoto	National Metrology Institute of Japan, National Institute of Advanced Industrial Science and Technology
<b>Secretary</b>	Ms. Ayako Murata	National Metrology Institute of Japan, National Institute of Advanced Industrial Science and Technology

Table 1-3

**Full Member Economies**

<b>Australia</b>	Dr. Grahame Harvey	National Measurement Institute Australia
<b>Australia</b>	Mrs. Marian Haire	National Measurement Institute Australia
<b>Australia</b>	Mr. Adrian Caster	National Measurement Institute Australia
<b>Australia</b>	Mr. John Birch AM	APLMF Honorary Member
<b>Cambodia</b>	Mr. Kim Chandara	Ministry of Industry Mines and Energy
<b>Canada</b>	Mr. Alan Johnston	Measurement Canada / Organisation Internationale de Metrologie Legale (OIML)
<b>Canada</b>	Mr. Gilles Vinet	Measurement Canada
<b>People's Republic of China</b>	Mr. Pu Changcheng	General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China (AQSIQ)
<b>People's Republic of China</b>	Mr. Xiang Xuan	General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China (AQSIQ)
<b>People's Republic of China</b>	Mr. Liu Xinmin	General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China (AQSIQ)
<b>People's Republic of China</b>	Mr. Han Jianping	General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China (AQSIQ)
<b>People's Republic of China</b>	Ms. Zheng Huaxin	General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China (AQSIQ)
<b>People's Republic of China</b>	Mr. Li Jinsi	General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China (AQSIQ)

<b>Hong Kong China</b>	Dr. Chuen Shing Mok	Government Laboratory, Hong Kong SAR, China
<b>Indonesia</b>	Mr. Oke Nurwan	Ministry of Trade
<b>Indonesia</b>	Mr. Deden Muhamad F.S.	Metrological Training Centre
<b>Indonesia</b>	Mr. Permadi	Metrological Training Centre
<b>Indonesia</b>	Mr. Daniel Almond	-
<b>Indonesia</b>	Mr. Rumaksono	-
<b>Indonesia</b>	Mr. Widyo Laksono	-
<b>Indonesia</b>	Mr. Yunus Mambrasar	-
<b>Japan</b>	Mr. Masayuki Ishikawa	Ministry of Economy, Trade and Industry (METI)
<b>Japan</b>	Dr. Yukinobu Miki	National Metrology Institute of Japan (NMIJ), AIST
<b>Japan</b>	Mr. Kazuo Neda	National Metrology Institute of Japan (NMIJ), AIST
<b>Japan</b>	Mr. Hiroshi Kitano	National Metrology Institute of Japan (NMIJ), AIST
<b>Democratic People's Republic of Korea</b>	Mr. Ri Man Ho	State Administration of Quality Management of the DPR Korea (SAQM)
<b>Democratic People's Republic of Korea</b>	Mr. Jin Kyong Man	State Administration of Quality Management of the DPR Korea (SAQM)

<b>Malaysia</b>	Mr. Mohd Roslan bin Mahayudin	Ministry of Domestic Trade and Consumer Affairs
<b>Malaysia</b>	Mr. Mohd Khalis Bin Kasim	Ministry of Domestic Trade and Consumer Affairs.
<b>Malaysia</b>	Mr. Chen Soo Fatt	National Metrology Laboratory, SIRIM Berhad
<b>Mongolia</b>	Mr. Tsermaa Tsogtgerel	Mongolian Agency for Standardization and Metrology
<b>Mongolia</b>	Mr. Yadamsuren Galbadrakh	Mongolian Agency for Standardization and Metrology
<b>Mongolia</b>	Mr. Damdin Sharavdorj	Mongolian Agency for Standardization and Metrology
<b>New Zealand</b>	Mr. Stephen O'Brien	Measurement and Product Safety Service, Ministry of Consumer Affairs
<b>New Zealand</b>	Mr. Brian Waltham	Measurement and Product Safety Service, Ministry of Consumer Affairs
<b>Russian Federation</b>	Prof. Lev Isaev	VNIIMS, Russia
<b>Russian Federation</b>	Dr. Vasily Mardin	VNIIMS, Russia
<b>Singapore</b>	Mr. Michael Ong	SPRING Singapore
<b>Chinese Taipei</b>	Mr. Brian C.S. Shu	Bureau of Standards, Metrology and Inspection (BSMI)
<b>Chinese Taipei</b>	Mr. Jin-Hai Yang	Bureau of Standards, Metrology and Inspection (BSMI)
<b>Thailand</b>	Mr. Veerasak Visutthatham	Ministry of Commerce

<b>United States of America</b>	Dr. Charles David Ehrlich	National Institute of Standards and Technology (NIST)
<b>United States of America</b>	Mr. Stanley Wayne Stiefel	National Institute of Standards and Technology (NIST)
<b>Viet Nam</b>	Mr. Pham Ngoc Tran	Directorate for Standards and Quality (STAMEQ)
<b>Viet Nam</b>	Dr. Ngo Tat Thang	Directorate for Standards and Quality (STAMEQ)
<b>Viet Nam</b>	Mr. Nguyen Hung Diep	Directorate for Standards and Quality (STAMEQ)

**Table 1-4 International / Regional Organizations**

<b>OIML</b>	Mr. Jean-François Magana	Bureau International de Métrologie Légale (BIML)
<b>OIML</b>	Mr. Willem Kool	Bureau International de Métrologie Légale (BIML)
<b>OIML</b>	Mr. Manfred Kochsiek	Physikalisch-Technische Bundesanstalt (PTB)
<b>SADC MEL</b>	Mr. Stuart Carstens	South African Bureau of Standards (SABS)
<b>SADC MEL</b>	Mr. Katima Temba	South African Bureau of Standards (SABS)

**Table 1-5 International / Regional Organizations**

<b>Australia</b>	Mr. John Birch AM	Immediate-past President
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## **Opening Address by Dr. Akira Ooiwa, APLMF President**

Good morning ladies and gentleman. Thank your for the kind introduction. I am Akira Ooiwa, the President of the Asia-Pacific Legal Metrology Forum. This is going to be my last Forum Meeting as the President since the presidency will be taken over by the Chinese colleague during this forum meeting. I appreciate the attendance of distinguished guests from all over the world and the host economy, P.R. China, and my dear colleagues of the APLMF. I am very happy to be here at this fourteenth APLMF meeting in this scenic beautiful water town of Zhouzhuang. At first, on behalf of all the APLMF members and distinguished guests, I would like to express sincere appreciation to the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China (AQSIQ), the local government of Kunshan Minicipal (people's government), and the Zhouzhuang city, for taking the responsibility to host this APLMF meeting. I also very much appreciate for the warm welcoming address by Mr. Pu Changcheng, the vise minister of AQSIQ. It is a great honor for APLMF to have such great opening ceremony on the occasion of the fourteenth APLMF meeting with attendance of Mr. Xuan Xiang, Director general of the metrology management department AQSIQ; Mr. Xia Ming, Director General of Jiangsu quality and technology supervision bureau; Mr. Che Wenyi, Director General of Jiangsu Entry-Exit inspection and quarantine bureau; Mr. Zhang Yulin, the vice-Mayer of Kunshan minicipal government; Mr. Liu Xinmin, Deputy Derector Genenal of the Metrology Management Department of AQSIQ. In addition, I am honored to have many distinguished guests from P.R.China and also from international bodies: Mr. Alan Johnston, the President of International Organization of Legal Metrology; Mr. Jean-Francois Magana, the Director of BIML; Mr. John Birch, honorary member and the past President of APLMF; Mr. Stuart Carstens and Mr. Katima Temba from SADC MEL; Dr. Lev Isaaev, from COOMET and Dr. Charles Ehrlich from SIM.

I would like to express my deepest gratitude to the Chinese colleagues who have taken the voluntary responsibility to host this Forum meeting. Also, special thanks should be given to the people who have made efforts for the outstanding preparation, staff of AQSIQ and local government and many people who contributed to this meeting.

I also appreciate the participation of all the members and distinguished guests. Some of our members came on their long way across the Eurasian continent or the Pacific Ocean. Thank you all for your attendance.

I would like to briefly introduce the roles and activities of the APLMF.<===2008/2/20

The Legal Metrology has a very long history that goes back to thousands of years. Here in China, we can find a good example. It was originally founded for domestic purposes to control market. These days, even domestic legal metrology is required to adapt the international trade framework in order to satisfy the strong demand from the World Trade Organization (WTO) as well as the APEC counterpart. Within the well-known Technical

Barriers to Trade (TBT) agreement, legal metrology is one of major concerned fields where harmonization is sought according to an internationally accepted system that should be established by the activities in the International Organization of Legal Metrology (OIML). Each economy has its own metrology law or metrology system that may be different from each other. The APLMF was founded with purpose to harmonize and to reduce such discrepancy in the framework of APEC. APLMF has maintained information services concerning common technical matters in relation with the OIML and other relating articles. We need coordination in terms of technical contents in testing, verification and calibration in the fields of legal metrology. The APLMF has organized many training courses and seminars, weighing scales, fuel dispensers for oil and CNG, electricity meters, rice moisture meters, pre-packaged goods, etc, that are strongly sought by almost all economies. The P.R. China has been one of the leading contributors in this activity. We continue to plan more training courses and seminars. In February 2007, we held a workshop on metrology of agricultural products and foods in Thailand, and we found a lot of future targets to cope with such as instrumentation in agricultural field and proficiency testing by using CRMs. I believe that the P.R. China will make significant contributions in this field as well.

In these activities, we have been supported by the APEC in terms of its financial aid which is the APEC Technical Investment for Liberalization And Facilitation (TILF). Through such activities, we have been building our capacities so as to establish international harmonized framework in the legal metrology field. These activities will also enable APLMF member economies to participate in the international activities to develop an effective common technical and legislative infrastructure.

I would like to mention about the outstanding contribution of P.R. China in such APLMF activities. P.R. China is one of the most active members in the APLMF. Colleagues of China have hosted many training courses and have been participating in most of the APLMF events, training courses, seminars, workshops where they have proven outstanding achievements. P.R. China hosted the APLMF meeting 12 years ago, which makes this time the second meeting. In this meeting in Zhouzhuang, the P.R. China takes over the APLMF Presidency and Secretariat from Japan. On behalf of all the APLMF members, I would like to express my deepest gratitude to the contributions of the P.R. China.

I am sure that this fourteenth APLMF meeting will be fruitful and successful thanks to such voluntary contributions provided by P.R. China government as well as all the member economies.

Thank you very much for your attention.

## **Welcome Address by Mr. Pu Changcheng, the Vice Minister of AQSIQ**

The General Administration of Quality Supervision, Inspection and Quarantine (AQSIQ) will have the honor to host the 14th Asia-Pacific Legal Metrology Forum (APLMF) and Working Groups Meetings in Zhouzhuang scheduled from 18-20 October 2007.

AQSIQ is a law-enforcement administration organ of the State Council in the field of quality, metrology, entry-exit commodities inspection, entry-exit health quarantine, entry-exit animal and plant quarantine, certification and accreditation and standardization.

Department of metrology is one of 19 in-house departments which is responsible for administering metrology work in a unified manner and carrying out the measurement units system and national measurement system, organizing establishing, approving and administering national measurement primary standards and reference materials, working out national verification system of measuring instruments, verification rules and technical measurement specifications, organizing unit value dissemination, and to specify and supervise measuring behavior for commodities.

According to Metrology Law 1985, AQSIQ have established national metrological system which is composing of the metrological administrative system, metrological legislative system and metrological technical support system.

China's metrological administrative system reflects the interconnections between relates authorities in metrological administration and supervision. Currently, China established the metrological administration departments at state, province, municipal and county level. And China set up the metrological technical institutes at four levels.

China's metrological legislative system includes the Metrology Law which is the core, 8 metrological administrative regulations of the State Council, 26 decree (acts) of the metrological administrative departments of the State Council, 28 metrological laws and regulations of provinces, and 4 metrological decrees of province (city).

China's metrological technical support system i.e. metrological technical institutes, technical regulations, metrological traceability system and technicians management. The aim is to support the nation's development in economy, science and technology, to facilitate the application of high-tech in industries and to provide metrology services for industries. At present, China has established 177 national primary standards, 43000 measurement standards, for example, national institute of metrology (NIM) is tasked with establishing and maintaining 124 national primary standards and 220 national measurement standards. By disseminating standards to lower levels of standards and customers and participating in international comparisons, the system provides essential insurance for the accuracy and reliability of quantity values within China and their international consistency.

China has positively promoted its international cooperation and exchange in the field of metrology. Starting from 1960s, China has joined 7 international and regional metrology organizations like the Meter Convention, OIML, IMEKO etc. On behalf of China, AQSIQ

presents international and regional legal metrology organizations meetings and participate in the activities. For instance, China joins many Technical Committees in developing and revising the international recommendations and operates the Secretary of OIML TC17/SC1 Humidity, TC10/SC1 Barometer and TC18/SC2 sphygmomanometer. As for bilateral cooperation, China keeps a sound relationship with many metrology services worldwide, and has signed more than 20 cooperation agreements, memorandums with other countries. After 14th APLMF meeting AQSIIQ will take over the responsibilities of Presidency and APLMF secretariat.

The meeting will be held at the Zhou Zhuang Pavilion Boat which is located in Kunshan County in Jiangsu Province. Zhou Zhuang is a famous waterside town crisscross with rivers and lakes in South China. This ancient town has a history of more than 900 years old with many houses built in the Ming and Qing Dynasties. I believe delegates will get a great opportunity to enjoy Chinese hospitality.

Looking forward to seeing you in Zhou Zhuang in October 2007.

### **3. Roll Call**

Dr. Tsuyoshi Matsumoto took a roll call of the participants. 45 delegates from 17 member economies were present as well as five guests from the International Organization of Legal Metrology (OIML) and the Southern African Development Community Cooperation in Legal Metrology (SADC MEL). In addition, three APLMF delegates represented their Regional Metrology organizations (RMOs) namely the Association of Southeast Asian Nations (ASEAN), the Euro-Asian Cooperation of National Metrological Institutions (COOMET) and the South West Pacific Legal Metrology Forum (SWPLMF).

The member economies present were: Australia, Cambodia, Canada, People’s Republic of China, Hong Kong China, Indonesia, Japan, Democratic People’s Republic of Korea, Malaysia, Mongolia, New Zealand, Russian Federation, Singapore, Chinese Taipei, Thailand, United States of America and Viet Nam.

### **4. Confirmation of the report of the 13<sup>th</sup> APLMF Meetings**

The report of the 13<sup>th</sup> APLMF Meetings was approved without modification.

### **5. Report of the APLMF President (A14-5)**

Dr. Akira Ooiwa, the President, gave an introduction to APLMF, a report of APLMF status in 2007 and an announcement of the Presidency transition to AQSIQ.

The APLMF was founded by Mr. John Birch of Australia in 1994, and the Presidency and Secretariat were carried by Australia until 2002. In January 2002, Japan took over both the Presidency and Secretariat and has carried the responsibility with the following staff:

- Dr. Akira Ooiwa .....President
- Dr. Tsuyoshi Matsumoto.....Executive Secretary
- Ms. Ayako Murata.....Secretary

From October 2007 upon the completion of the 14<sup>th</sup> APLMF Meetings, AQSIQ will take over the Presidency and Secretariat, and the following staff will assume the responsibility:

- Mr. Pu Changcheng .....President
- Ms. Zheng Huaxin.....Secretary
- Mr. Li Jinsi.....Secretary

The cooperation and information exchange with other metrology organizations are essential for the APLMF operation; thus, the APLMF has worked close with international organizations and Regional Metrology Organizations (RMOs) such as APEC SCSC, OIML, WELMEC, SADC MEL, COOMET, SIM, EMLMF and SWPLMF by giving the APLMF report to their annual meetings. Due to the international network as well as the training courses in the Asia-Pacific region, the APLMF activities have been internationally well recognized inside and outside the APLMF members. Moreover, some economies have shown their interest in joining the APLMF members.

As one of the main APLMF activities, there is a training course project. This project is jointly run with the APEC SCSC which has provided the APEC Trade and Investment Liberalization and Facilitation (TILF) fund. The President and other APLMF delegates actively participated in the APEC SCSC meetings: 1<sup>st</sup> meeting in Sydney and 2<sup>nd</sup> meeting in Cairns for 2007. The main purpose of attending these meeting is to promote the APLMF activity and acquire the APEC TILF fund. At these meetings, APLMF has insisted the importance of giving priority to harmonization of legal metrology in the Asia-Pacific region. Currently, the APEC's main interest in legal metrology is focused on the food safety. In line with this APEC's interest, APLMF has also started a training course project on agricultural product safety in early 2007. In addition, APLMF also put emphasis on the promotion of Mutual Acceptance Arrangement (MAA) in the Asia-Pacific area.

Regarding the application for APEC TILF fund, Dr. Ooiwa has applied and served as a Project Overseer (PO) from 2004 to 2007. As for the application for the project 2008, PR China applied and declared the new President, Mr. Pu Changcheng, as a PO.

On the other hand, APLMF is also considering another possible fund source for the training project such as APEC Support Fund (ASF). This is due to the difficulty in acquiring APEC TILF fund for the repeated training course on the same topics. For instance, APLMF has conducted training courses on electricity meters, prepackaged goods, fuel dispensers, etc for a few times each in the past. Although these subjects are most demanded for training by the members and requested for repeated or more advanced training courses in its content, repetition of same field of topics are hardly accepted by APEC.

At the end of the report, Dr. Ooiwa expressed his sincere appreciation to all the member economies, WG Chairs and the APEC Secretariat for their contribution to the APLMF activities.

## **6. Report of the APLMF Secretariat (A14-6)**

### **6.1 Activity of the APLMF Secretariat (A14-6-1)**

Dr. Tsuyoshi Matsumoto presented a list of APLMF activities conducted since the 13<sup>th</sup> APLMF Meetings up until the 14<sup>th</sup> APLMF Meetings in addition to the future projects scheduled for the year 2008.

<b>Year</b>	<b>Mon</b>	<b>Day</b>	<b>Items</b>	<b>Actions Taken</b>
2006	Nov.	15-17	13th APLMF Meetings	APLMF WG Meeting and 13 <sup>th</sup> Forum Meeting were held in Singapore.
		17	Change in EC Member	Dr. Charles Ehrlich resigned as the EC member, and Mr. Mohd Roslan bin Mahayudin joined the EC representing ASEAN.

		20	13 <sup>th</sup> APLMF Meetings	The meeting documents were uploaded onto the members-only webpage of APLMF.
		21	13 <sup>th</sup> APLMF Meetings	The pictures taken at the meetings were uploaded onto the APLMF website.
		30	Membership Fee for 2007	The invoice of the APLMF Membership Fee for 2007 was sent to the full members.
2006	Dec.	11	The Season's Greeting	Greeting Card was sent to all the member economies.
		14	Event Survey	Secretariat asked all member economies for a list of events on metrology to be conducted in the year 2007. The deadline was January 31, 2007.
		15-16	APMP: General Assembly	The Executive Secretary attended the APMP GA in New Deli, India.
2007	Jan.	9	13 <sup>th</sup> Meetings: 1 <sup>st</sup> Draft Report	The first draft of the APLMF 13th Meeting Report was uploaded onto the website.
		22-25	APEC: SRBs Workshop & SCSC	The President and the Executive Secretary attended the APEC SRBs Workshop (Sydney) and APEC SCSC Meeting (Canberra)
		26	APLMF Circular	Circular 55 was published and sent to all member economies.
2007	Feb.	7	13 <sup>th</sup> Meetings: 2 <sup>nd</sup> Draft Report	The second draft of the APLMF 13th Meeting Report was uploaded onto the website.
		7-9	Workshop on Metrology of Agricultural Products and Foods	Workshop on Metrology of Agricultural Products and Foods was held in Chiang Mai, Thailand.
		21	13 <sup>th</sup> Meetings: Final Report	The final report and the full member session report were uploaded onto the members-only and full-members-only pages respectively of the website.
		27	Seminar on Automated Sphygmomanometers	The APEC Report for this training course was uploaded onto the website.
		28	Change of Website Password	The password for the APLMF's members-only webpage was changed.

		28	Change in Contact Person	<u>Hong Kong China:</u> New contact: Mr. Chuen-shing Mok Replaced: Mr. Foo-Wing Lee <u>Rep. of Korea:</u> New: contact: Mr. Hyun Tae Kim Replaced: Mr. Gi-Hyung Na
2007	Mar.	2	Train the Trainer Course on LPG Fuel Dispensers	The APEC Report for this training course was uploaded onto the website.
		14	13 <sup>th</sup> Meetings: Final Report	The Final Report (minutes) of the 13 <sup>th</sup> Meeting was published and sent to the members.
		15	APLMF Circular	APLMF Circular 56 was published and sent to the members and related organizations.
		16	Resignation of Delegate	Mr. Tony Lee of New Zealand resigned as contact person of New Zealand.
		19-22	Seminar on Electricity Meters	Seminar on Electricity Meters was held in Beijing, PR China.
2007	Apr.	3	Seminar on Automated Sphygmomanometers	The APEC Report for this training course was published and sent to the member economies and the participants.
		3	Train the Trainer Course on LPG Fuel Dispensers	The APEC Report for this training course was published and sent to the member economies and the participants.
		19	14 <sup>th</sup> Meetings Information	The dates and place of the meetings were announced.
2007	Jun.	21	Survey: Medical Measurement	The Survey on Medical Measurement Instruments 2007 was sent to the member economies. This survey was proposed by the WG on Medical Measurement chaired by Dr. Jay San Chen of BSMI. Deadline was August 17, 2007.
		23	APEC SCSC	Australia and PR China attended APEC SCSC representing APLMF.
		25	14 <sup>th</sup> Meetings: Website	The meeting website was uploaded and announced to the members.
		26	New Presidency and Secretariat Staff	AQSIQ made a formal announcement of the new President and Secretariat staff.



		25-26	Sub-Committee on Standards and Conformance (SCSC)	Australia and PR China attended the meeting as the APLMF representatives.
2007	Jul.	2	14 <sup>th</sup> Meetings: Invitation	The invitation was sent to the members and related organizations.
		4	Seminar on Electricity Meters	The APEC Report of this training course was published and sent to the member economies and the participants.
		11	14 <sup>th</sup> Meetings: Document	Secretariat requested the members and related organizations for the meeting report.
		13	Change in Contact Person	<u>Japan</u> New contact: Mr. Yuji Okamura Replaced: Mr. Masayuki Yabuuchi  New contact: Mr. Masayuki Ishikawa Replaced: Mr. Takeshi Mizuno
		17	Train the Trainer Course on the Verification of Mechanical Weighing Scales	The invitation was sent out to the members.
		20	APLMF Circular	APLMF Circular 57 was published and sent to the members and related organizations.
		24-27	14 Meetings: Pre-Visit	Secretariat visited Zhouzhuang for the preparation of the 14 <sup>th</sup> Meetings.
		30	Change in Contact Person	<u>Chinese Taipei</u> New contact: Mr. Jhi-Shien JIANG Replaced: Mr. Wu-Hsiung CHEN
2007	Aug.	24-25	Secretariat Transition	The next Secretariat staff (AQSIQ) visited Tsukuba (NMIJ) for the first discussion on Presidential and Secretariat transition.
2007	Sep.	4	Training Course on CNG Fuel Dispensers	The invitation was sent to the members.
		25-28	Train the Trainer Course on the Verification of Mechanical Weighing Scales	This training course was held in Ho Chi Minh City, Viet Nam.
2007	Oct.	18-20	14 <sup>th</sup> Meetings	The 14 <sup>th</sup> APLMF Meetings is to be held in Zhouzhuang, PR China.

		20	Presidency / Secretariat Transition	President and Secretariat will give a formal announcement of the Secretariat transition at the Forum Meeting.
		Late	14 <sup>th</sup> Meetings: Documents Upload	The documents distributed at the meetings will be uploaded onto the members-only webpage for the members.
		Late	Secretariat Transition: Finance	APLMF finance will be transferred to the new Secretariat in PR China.
		Late	Secretariat Transition: Website	The APLMF web server will be transferred to AQSIQ. The operational authority will be transferred as well to the new Secretariat staff.
		Late	APLMF Circular	Circular 58 will be published and sent to the members and related organizations.
2007	Nov.	1-2	APMP: General Assembly	The Secretariat will submit a report to the APMP GA but will not attend the meeting to be held in Sydney, Australia.
		13-16	Training Course on CNG Fuel Dispensers	Training Course on CNG Fuel Dispensers will be held in Shah Alam, Malaysia.
		Late	14th Meetings: First Draft Report	The first draft report (minutes) of the meetings will be sent to the members for confirmation of the content.
2007	Dec.	Early	Season's Greeting	Greeting card will be sent to the members and related organizations.
		Early	Membership Fee for 2008	The invoice of the APLMF Membership Fee for 2008 will be sent to the full members.
		Early	Secretariat Transition	Former Secretariat staff of NMIJ will visit the new Secretariat office at AQSIQ for the operational confirmation.
		Mid	14th Meetings: Second Draft Report	The second draft report (minutes) of the meetings will be sent to the members for confirmation of the content.
		Late	Event Survey	Secretariat will ask all member economies for a list of events on metrology to be conducted in the year 2008.
2008	Jan.	Early	14th Meetings: Final Report	The Final Report (minutes) of the meeting will be published and sent to the member economies.
		Mid	APLMF Circular	Circular 59 will be published and sent to the members and related organizations.

		Late	Training Course on CNG Fuel Dispensers	The APEC Report for this training course will be published and sent to the members and the participants.
2008	Feb.	Early	Change of Website Password	The password for the APLMF's members-only webpage will be changed.
2008	Mar.	Late	Training course on product safety	A training course on product safety and agricultural products is being planned to be organized and held in March or April.

## 6.2 Membership of the APLMF

Dr. Matsumoto made a confirmation of the member delegates along with the new contact persons who joined the APLMF membership in 2007. The new members are as follows:

- ◆ Mr. Chuen-shing Mok..... Hong Kong China
- ◆ Mr. Hyun Tae Kim..... Republic of Korea
- ◆ Mr. Yuji Okamura..... Japan
- ◆ Mr. Masayuki Ishikawa ..... Japan
- ◆ Mr. Jhi-Shien Jiang..... Chinese Taipei

## 6.3 Membership Fee

Dr. Matsumoto stated that the membership fee structure for 2007 remained the same as last year's. Regarding the membership fee increase, it will be discussed in the full member session.

## 7. Presentation nominated by the host economy

Mr. Trilochan Gupta of Emerson Process Management AP Pte Ltd made a presentation titled "Liquid Ultrasonic Meters in downstream and upstream."

1. Introduction
2. Principle of Operation
3. Proving API MPMS 5.8
4. Diagnostics
5. Summary

## 8. Activities of the Working Groups (W14)

### 8.1.1 WG on Training Coordination (W14-2)

Mrs. Marian Haire, the Chair, reported on the training schedules for the APEC/APLMF program 2008 as follows:

<b>Training Title</b>	<b>Host Economy</b>	<b>Trainers</b>	<b>Timing</b>
Training course on mechanical weighing scales	Thailand	Japan	May 2008
Seminar on medical measurements	Chinese Taipei	TBA	April to June 2008
Training course on utility meters (water meters)	Viet Nam	Canada and other	September 2008
Workshop on product safety including foods and agricultural products	TBA	Australia, PR China, Japan, Thailand, USA, etc.	To be determined after the previous phase of the program was held in March 2008.

These were scheduled based on the survey on training needs which was circulated among the member economies. This latest version of this survey has been sent out to the members.

After the WGs reports, Mr. Han Jiangping of PR China proposed that PR China will send a speaker for the Workshop on Product Safety to be scheduled in 2008. Followed by his proposal, Mrs. Haire stressed the importance of the opportunity to speak to member delegates at an annual meeting for achieving decisions and finding possibility on the determination of trainers and host.

### **8.1.2 WG on Goods Packed by Measure (W14-3)**

Mr. Stephen O'Brian, the chair, started his report by announcing the replacement of the WG chair with Mr. Brian Waltham. He continued with the summary report of the WGs Meeting held on the previous day.

He stressed that although there was no discussion made this year with the European Cooperation in Legal Metrology (WELMEC) and SADCMEEL, exchanging various information with them is significant for the WG. In order to distribute the benefit of information to the APLMF members, the WG will keep the APLMF members contact list updated. On the other hand, the WG is active in the OIML TC6 on Prepackaged Products, which held a meeting in Washington DC in September 2007 and discussed on the future acceptance arrangement in relation to the International Quantity Mark (IQ Mark). Mr. Waltham attended this meeting.

In addition, the WG is planning to circulate a survey on current legislation on prepackaged goods to the members. This result will be reported at the 15<sup>th</sup> APLMF Meetings. Another work program for 2008 is discussion with the WG on Training Coordination regarding a plan to organize a training course on inspection methods and procedure for implementation on R87.

### **8.1.3 WG on Utility Meters (W14-4)**

Mr. Gilles Vinet, the chair, gave a summary report of the WGs Meeting held on the previous day. At the WGs Meeting, he reported that the WG organized a seminar on electricity meters in March 2007 in cooperation with the WG on Training Coordination. Also, he reviewed the OIML work of six TCs on various utility meters and reported to the meeting participants on the current status and provision in each field. At the meeting, Mr. Jean-Francois Magana, the BIML Director, greatly contributed to the discussion.

As for the work plan for 2008, the WG is planning to hold the first training course on water meters in cooperation with the WG on Training Coordination. Monitoring the OIML works will also be continued next year. These proposals were accepted at the WGs Meeting by the members.

### **8.1.4 WG on Mutual Recognition Arrangements (W14-5)**

Dr. Charles Ehrlich, the chair, presented four work plans for 2008 together with the suggestions given by the members at the WGs Meeting held on 18<sup>th</sup>.

1. To continue supporting the OIML work on implementation of Mutual Acceptance Arrangement (MAA) and not to develop a regional MAA.

As for a regional MAA, the WG will ask the APLMF member economies on its necessity by throwing a questionnaire.

2. To monitor ways in which the APLMF member economies can participate in the OIML MAA.

As an update since the last Forum Meeting, source of experts can now be included in the OIML member states regardless of their participation status of the OIML MAA. The WG will continue seeking for more possible activities which would make MAA more beneficial to APLMF members by asking in a questionnaire

3. To contribute an OIML MAA implementation update report to the Circular.

The latest report has been submitted for the Circular 58, which was co-authored by the BIML MAA representative, Mrs. Regine Gaucher.

4. To prepare a questionnaire to the members whether they are willing to accept OIML certificates that are issued on the basis of using test data provided by manufactures.

This work item was suggested by Dr. Ooiwa and was newly added to the list this year. The questionnaire will include the matter about the restrictions on how such data is obtained. The issue on the necessity of a regional MAA that was mentioned in work item 1 will be added to the questions as well. The WG is looking to send out this questionnaire as soon as possible before the TC3/SC5 meeting, and depending on the replies, the second questionnaire will be circulated after the meeting.

### **8.1.5 WG on Medical Measurement (W14-6)**

Mr. Brian Shu of Bureau of Standards, Metrology and Inspection (BSMI) gave a WG report on behalf of the chair, Dr. Jay-San Chen.

The WG conducted a survey on metrological control on medical measurements among the member economies. Based on the result, they determined the area of needs in training and proposed to hold a training course on non-automatic sphygmomanometers in the first half of 2008. This training course will emphasize on hands-on exercise on verification and testing. It will also cover an introduction to the OIML, ISO and CEN<sup>\*1</sup> standards. One speaker has been confirmed to be invited from Physikalisch-Technische Bundesanstalt (PTB), and the WG would appreciate more volunteers to be the speakers at the training course.

\*1: European Committee for Standardization

### **8.1.6 WG on Measurement of Moisture Content of Agricultural Commodities (W14-7)**

Mr. Hiroshi Kitano, the chair, gave a report on the activity in 2007.

The WG devoted in the two OIML TCs: TC17/SC1 (Moisture Meter for Cereal Grain and Oilseeds) and TC17/SC8 (Protein Measuring Instruments for Cereal Grain and Oilseeds). They sent two delegates to the meetings of the above committees and worked towards the harmonization of international standards.

### **8.1.7 WG on Traceability in Legal Metrology (W14-8)**

Dr. Akira Ooiwa, the chair, pointed out the difficulty in pursuing traceability in legal metrology in the present circumstances. The theory of traceability stands upon the concept of uncertainty. Therefore, the study of traceability in legal metrology goes together with the technical point of view on traceability. In other words, as for the traceability, legal perspective needs to be considered along with the technical concept. In order to reach the accurate traceability, quality management from both legal and technical sides has to be determined. Presently, this APLMF WG lacks in the capacity to cover the above requirement. The role and principle of the WG need to be reconsidered from scratch as well as a new chair with the expertise.

### **8.1.8 WG on Pattern Compliance (W14-9)**

Dr. Grahame Harvey, the chair, reported the activities conducted since the last forum meeting and gave a proposal for the WGs restructure.

The WG's main task is to monitor the movement of the OIML Working Group on Conformity to Type (CCT). This year, the OIML WG conducted two surveys on the status on CCT in the OIML member economies and corresponding economies and the CCT scheme by manufacturers.

At the end of the report, Dr. Harvey proposed a restructure of the APLMF WGs. This

discussion is shown in 8.2.

## 8.2 Update of WGs Structure and Policy

Dr. Harvey proposed the renaming and activity reconsideration of two WGs structure as follows:

<u>Current Name</u>	→	<u>Proposed Name</u>
<u>Moisture Content of Agricultural Commodities</u>	→	<u>Quality Measurements of Agricultural Products</u>
<u>Traceability in Legal Metrology</u>	→	<u>Metrological Control Systems</u>

The Quality Measurements of Agricultural Products is intended to broaden the original WG’s field of interest on agricultural products such as proteins. There is a newly proposed WG that can be considered to be added to the structure; that is Regulatory Type Measurement, for example, traffic control meter. However, no economies were able to distribute a possible chair for the WG, and the proposal was declined. If there is any other field of metrology that members would like to put up for consideration, APLMF should discuss on its possibility.

After the discussion, the WGs and chairs have been confirmed as follows:

<u>WG</u>	<u>Chair</u>
Training Coordination	Mrs. Marian Haire (AUS)
Metrological Control Systems	TBD (PR China)
Utility Meters	Mr. Gilles Vinet (CAN)
Mutual Recognition Arrangements	Dr. Charles Ehrlich (USA)
Medical Measurements	Dr. Jay San Chen (TWN)
Quality Measurements of Agricultural Products	Dr. Tsuyoshi Matsumoto (JPN)
Goods Packed by Measure	Mr. Brian Waltham (NZL)

After Dr. Harvey’s presentation, Dr. Ooiwa suggested establishing a new WG on product safety as it is currently the most interested issue in APEC. Some members pointed out the difficulty in defining the term “product safety” as it could indicate different fields of safety issues such as agricultural products and children’s products. The discussion revealed that about a half of the member economies such as PR China is interested in food safety issues, and the other half such as Australia and Singapore is in children’s products safety issues. At the moment; however, there are no economies that can provide an expert to be the chair of each proposed WG. Therefore, the members reached to the conclusion that they will start stepping into the product safety field on both foods and children’s products by holding a workshop in 2008 and see the further feedback from the member economies.

## 9. Strategy of APLMF

Mr. Li Jinsi, the new Secretary assigned from October 2007, presented the activity objectives and methodology of APLMF.

### Objectives and Methodology of APLMF 2008/2009

Objectives		
1		To identify and promote the removal of technical or administrative barriers to trade in the field of legal metrology.
2		To develop and maintain mutual confidence in measurement results among legal metrology authorities in the Asia-Pacific region.
3		To provide a forum for exchange of information among legal metrology authorities.
4		To promote mutual recognition arrangements among Members and with other regional groups and individual economics.
5		To cooperate with the international organization of legal metrology (OIML) and promote the use and acceptance of OIML international recommendations and other publications and the OIML certification system.
6		To collaborate with other regional bodies in the field of legal metrology.
7		To coordinate regional training course, workshops, seminars and conferences in legal metrology and facilitate exchange of staff among authorities.
8		To facilitate the provision of cooperation and assistance in the development of the legal metrology infrastructure of members.
9		To respond to requests and disseminate information related to APLMF activities or member economics to international organization such as OIML, RLMOs, APEC, SRBs, etc.
Methodologies		
Finance	1	The President, Secretariat and member economics make more efforts to open new channels and secure necessary budgets for the APLMF activities, by applying to the APEC funds, governmental fund from member economics, and/ or other donators such as ADB, UNIDO etc.
	2	The budget should be discussed and approved by member economics during the Forum meeting in order to all member economics can benefit from APLMF activities.
	3	The secretariat keeps the members informed about the APLMF activities to increase the participation.
WGs	4	Listening to the reports and suggestions from existing 8 WGs, all WGs are encouraged to setup or maintain the appropriate projects which members concern.



	5	Considering to establish new WGs to cover the areas such as ‘legal metrology and products safety’ and ‘legal metrology and environment protection’ , ‘legal metrology and traffic safety’ etc
Assistance on technical infrastructure	6	The APLMF develops technical infrastructures for its members that should be specific and most demanded among the APLMF members.
	7	The members and WGs are encouraged to develop specific metrological and quality control standards and/or instrumentations which are beneficial to all APLMF members so as to keep confidence in measurement and testing results, such as the verification methods of measuring instruments, the reference materials and methods for food testing etc.
The secretariat and information sharing	8	The Secretariat will continue to take advantage of our website, to provide latest information and surveys for all members, to keep close contact with all supporters and donators.
	9	The work reports, Circulars and related publications will be sent to our EC members and distributed to all of our member economics.
	10	Try to establish database covering the information of legal metrology on each economy.
Membership administration	11	Working together with APLMF EC members to consider the new membership application, the member fee related issues, etc.
<b>Liaison with Other Organizations</b>		
APEC	12	Keeping close relation with APEC by providing advises related to legal metrology to APEC as well as applying for funds from APEC.
OIML	13	Joining the OIML meeting and reporting our program and achievements and seeking for supporting and guidance.
Other ORGs	14	Keeping contact with regional organizations, learn their expertise.

## 10. Report of Specialist Regional Bodies (SRBs)

### 10.2 Pacific Area Standards Congress (PASC)

There was no representative present at the Forum meeting; however, Mr. Birch picked up two items that were in the submitted written PASC report and should be considered by the APLMF members from legal metrological point of view.

One is the “APEC SCSC strategy paper to improve and coordinate capacity-building and awareness of standards and conformance in the APEC region.” Mr. Birch said that it should be circulated to the APLMF members for improvement of the APLMF activities.

Another one is “case studies which can be used for guidance and communication with governments on standardization activities.” This should also be done by APLMF as well from perspective of legal metrology, Mr. Birch claimed.

## **11. Report of the International Organization of Legal Metrology (OIML) (A14-11)**

Mr. Jean-François Magaña gave a report on the current status of issues and projects in OIML.

OIML currently consists of 59 members and 56 corresponding members. In the last one year, two new corresponding members joined the membership, which are the United Arab Emirates and Sudan. Mr. Magaña acknowledged that they would welcome APLMF members that are OIML corresponding members to join the member states since there are still many significant APLMF economies that stay as corresponding states. The privileges given only to the full members are appointing issuing authority for certificates, participating in the OIML MAA and voting on OIML decisions and publications. In addition, participation in the OIML prepackaging certification will be allowed when it is ready.

The most of the correspondences are done by Email and through websites. The information on technical work is all available on the website. At present, 137 International Recommendations related to 107 categories of Measuring Instruments are available and can be retrieved from the website in addition to the international documents, vocabularies, expert reports, guides, etc. The new procedure for the technical work has been proposed, and it will be finalized within a couple of years.

The OIML Certificate system is available to 42 categories of instruments for requirements, test procedures and test report format. The OIML members may appoint issuing authority. This has no legal control and is voluntary basis. As of September 1, there are 1762 OIML Certificates issued for 16 categories of instruments, and 416 manufacturers from 37 countries holds the certificates.

On the other hand, the OIML MAA deals with the acceptance of type evaluation test results. When the issuing authorities are evaluated by peer assessment or accreditation, the certificates and test reports bare the OIML MAA logo.

In the future, the OIML aims to assure that instruments produced under an OIML Certificate meet the type defined in the OIML Certificate and to confirm the issue on the IQ mark for prepackaged goods. These two are the main issues under development.

After Mr. Magaña's report, Prof. Lev Isaev of Russian Federation asked for OIML's status of relation with International Committee of Weights and Measures (CIPM) and International Laboratory Accreditation Cooperation (ILAC). Mr. Magaña replied that OIML holds a strong partnership with both the organizations. The three organizations have an annual meeting altogether. In addition, OIML builds a joint action plan with CIPM and BIPM. As for ILAC, OIML has Memorandum of Understanding (MoU) with ILAC as well as joint action plan, of which OIML provides a list of technical experts and guidance on accreditation in legal metrology to ILAC, and ILAC provides technical experts of accreditation to OIML. Furthermore, OIML is planning to make such cooperation with International Accreditation

Forum (IAF) as well.

## **12. Report of Regional Legal Metrology Organizations (RLMOs)**

### **12.1 Association of Southeast Asian Nations (ASEAN)**

Mr. Chen Soo Fatt gave a report on the activities of ASEAN Consultative Committee on Standards & Quality (ACCSQ).

ACCSQ held its 8<sup>th</sup> meeting from August 4 to 5, 2007 in Manila, Philippines. At the meeting, they discussed the following issues and project in progress.

- ◆ Project proposal harmonization of verification procedures for NAWI submitted to PTB for consideration
- ◆ ASEAN Common Requirements for Pre-packaged Products
- ◆ Inter-laboratory comparison of mass standards for 2008
- ◆ Mekong Metrology Capacity Building Project
- ◆ Draft document on accreditation in legal metrology
- ◆ Training courses organized by APLMF and New Zealand
- ◆ Next Meeting in March 2008

As for the Mekong Metrology Capacity Building Project which is funded by the New Zealand government, it was initially scheduled for 2005 – 2007; however, it has been reconsidered for extension of another year.

### **12.2 Euro-Asian Cooperation of National Metrological Institutions (COOMET) (A14-12-2)**

Prof. Lev Isaev explained the structure and activities of COOMET.

COOMET carries 17 members including countries from Europe and Asia-Pacific region. There are five members which belong to European Union (EU) and two members from Asia-Pacific area, which makes COOMET a bridge between Asia and Europe. The members manage four Technical Committees (TCs). Among them, TC2 is responsible for matters of legal metrology. They deal with correspondence with OIML, regional organizations and national institutions; software requirements and testing; harmonization of metrological regulations and norms; and technical competence assessment of verification laboratories.

As the major issue going on in the TC2, adjusting to the transposition of the European Measuring Instruments Directive (MID) has got an attention of the member countries. The members have exchanged the information on changes in the field of Legal Metrology but could not reach to the answer for best solution for the changes. The MID states only the basic metrological requirements and does not get into the specific technical requirements. Therefore, the TC decided to organize two workshops on testing of software for measuring instruments, which follows the WELMEC Guide 7.2, and urgent issues of control of prepackages.

The detailed information of the COOMET status is listed in the COOMET report submitted to the 14<sup>th</sup> APLMF Meetings.

### **12.5 South African Development Community Cooperation in Legal Metrology (SADCMEEL) (A14-12-5)**

Mr. Stuart Carstens gave a report on South African Development Community Cooperation in Legal Metrology (SADCMEEL).

SADCMEEL has 14 members and three associate members. Mozambique carries the chairmanship, and South Africa serves as regional coordinator and Secretariat. In April 2007, they had the annual meeting in Antananarivo, Madagascar. Madagascar is a new member that joined in October 2006. As for future activity, SADCMEEL is planning to conduct a training course on instrumentation for prepackaged goods in early 2008 supported by Physikalisch-Technischen Bundesanstalt (PTB). Their activity for 2007 was very limited due to the lack of funding from European Union (EU); however, they will boost its activity from 2008.

### **12.7 South West Pacific Legal Metrology Forum (SWPLMF)**

On behalf of Mr. Ronald Paita, Mr. John Birch explained the current situation of the economies in Pacific islands as well as the current status of SWPLMF.

The Forum consists of 14 small island economies in Pacific area; however, they have a crucial difficulty in gaining governmental assistance due to the lack of recognition of importance in legal metrology. At the moment, there is no metrology system in the member economies whatsoever. He insisted that international and/or regional organizations would never be able to perform well without the government commitment and intergovernmental cooperation. The SWPLMF has a need to make each government realize the necessity of legal metrology in their economy.

## **13. Full Member Session**

The report of full member session is available only to the APLMF full members. Please visit the APLMF website for this information.

## **14. Economy Report (A14-14)**

### **14.1 Australia (A14-14-1)**

Dr. Grahame Harvey picked up one major item from the economy report on the activity Australia is working on; that is creating the national systems of trade measurement. This project will be built for the state legislation, and then it will be aimed to adjust for implementation at the national level.

#### **14.2 Cambodia (A14-14-2)**

Mr. Kim Chandara remarked the revision of the metrology law of Cambodia.

This is being discussed at the Ministry level and will be submitted to the national assembly for approval. This regulation is built based on the knowledge and advice gained from the training courses organized by UNIDO, New Zealand government and PTB who have been sponsors for Cambodia's capacity building project.

#### **14.3 Canada (A14-14-3)**

Mr. Gilles Vinet covered the most significant points in the report.

Canada is now modifying the legislation on the administrative penalties for better facilitation in the marketplace trading. Another major movement implemented is the introduction of requirements for the acceptance samplings of electricity meters and gas meters. This is the more strict system effective on the calculation of uncertainty of gas meters based on the ISO and Canadian requirements. They are also reviewing the policy for establishing the reverification period for electricity and gas devices. The type approval evaluation test on electricity meters is another area Canada had a progress on. Now their test is mutually recognized in other organizations such as USA and Mexico. Also, the study on gasoline evaporation loss in fuel dispensers was finalized. This result will be taken into consideration for national policy and regulations.

#### **14.4 People's Republic of China (A14-14-4)**

Mr. Han Jianping highlighted three main activities carried out in PR China in 2007.

First, they established a research for the new measurement standards system. This was schemed in order to adapt the recent rapid expand of Chinese economy. Second, they established a platform for information exchange on the national standards. This plan corresponds to the above research in terms of management to the economy growth. Third, they had two international meetings with Japan and Rep. Korea in 2007.

#### **14.5 Hong Kong China (A14-14-5)**

Dr. Chuen Shing Mok gave a brief introduction to the activities in Government Laboratory (GL) of Hong Kong China.

The GL is responsible for enforcement of measurement system and Trade Description Ordinance. They look after the chemical metrology and standards which are calibrated by the Standards and Calibration Laboratory (SCL). Both the GL and SCL have cooperation with BIPM; the SCL has 593 Calibration and Measurement Capabilities (CMC) claims on the BIPM website. In June 2007, the GL organized a symposium of metrology in chemistry which put focus on food safety, medical testing and consumer protection.

#### **14.6 Indonesia (A14-14-6)**

Mr. Oke Nurwan briefly explained on the current activities in Indonesia.

Since the restructure of government in Indonesia, the Directorate of Metrology (DoM) is operated under the Ministry of Trade. Following is a list of main activities they are currently promoting:

- ◆ Promotion of participation by private sectors in verification on certain measurement instruments
- ◆ Improvement of metrology facilities including metrology training center
- ◆ Cooperation with the international and regional organizations of metrology
- ◆ Reinforcement of accreditation system for legal metrology authorities
- ◆ Construction of facilities for type approval testing with assistance by Japan International Cooperation Agency (JICA)
- ◆ Formation of new regulation on prepackaged goods control

#### **14.7 Japan (14-14-7)**

Dr. Yukinobu Miki remarked the support to the APLMF Secretariat extended by the National Metrology Institute of Japan (NMIJ) and the Ministry of Economy, Trade and Industry (METI). Japan is honored to have been a sponsor for the APLMF activity and appreciate PR China's voluntary candidacy for taking over the responsibility.

#### **14.8 Democratic People's Republic of Korea (A14-14-8)**

Mr. Ri Man Ho gave a report on the activity in legal metrology in DPR Korea.

The State Administration for Quality Management (SAQM) is responsible for the metrological control in DPR Korea. Their theme for 2007 was realization of specification of products and standardization of goods. Upon the objective, they conducted seminar and training course designed for the experts in metrology field within the economy. The topics include operation of weighing instruments used in coal mines, moisture measurement of grain and verification and qualification assessment of electric truck scales. As for the international cooperation and activity, SAQM reviewed some of the national standards and guidelines for pattern approval and verification with purpose to correspond to the recommendations of OIML and IEC.

#### **14.9 Republic of Korea (A14-14-9)**

Delegates from Rep. Korea were absent and the economy report was not submitted.

#### **14.10 Malaysia (A14-14-10)**

Mr. Chen Soo Fatt briefly explained the updates and activities in 2007.

The long discussed National Measurement System Act (NMSA) has approved by the

Parliament in July. This approval was also given to the amendment to the existing provision of Weights and Measures Act (WMA). These new systems will be effective sometime in 2008. Another significant project is drafting of the regulations for the quality control of prepackaged goods. This is still in process by the Ministry of Domestic Trade and Consumer Affairs (MDTCA). The draft is prepared in accordance with the OIML R87 and ASEAN common requirements on prepackaged goods. Regarding the technical verification on measuring instruments for trade use, Metrology Cooperation Malaysia Snd. Berhad was accredited for the license to ISO/IEC 17025 on mass and weighing balance calibration. In addition, SIRIM Berhad and MDTCA are both active in conducting training courses and seminars designed for domestic audience. They covered such topics as legal metrology in general, weights and measures enforcement, verification of measuring instruments, standardization, quality certification system and inspection system. Malaysia has also been an active participant to the APLMF training courses.

#### **14.11 Mongolia (A14-14-11)**

Mr. Damdin Sharavdorj spoke about the current status of Mongolia in legal metrology.

First, Mongolia amended the Law on Guarantee of Measurement Uniformity according with the OIML D1 “Elements for a Law on Metrology.” As for the MAA, Mongolia is preparing drafts that suites to the PR China’s standards for all instruments since the huge percentage of measuring instruments is imported from PR China to Mongolia. PR China is a member of OIML MAA on R60 and R76. The Mongolian Agency for Standardization and Metrology (MASM) issued 30 certificates of type approval to the imported measuring instruments.

#### **14.12 New Zealand (A14-14-12)**

Mr. Stephen O’Brien highlighted the main points from the economy report.

One of the most significant events in 2007 was that the Ministry of Consumer Affairs issued the first OIML MAA Approval Certificate and Test Report for non-automatic weighing instrument (R76). They are also looking to sign the OIML MAA on water meter as utilizing participant. Also, the Measurement and Product Safety Service took over responsibility for the New Zealand Fuel Quality Monitoring Programme, which is to ensure that the retail fuel supply complies with the Petroleum Products Specifications Regulations. Another project to be stressed is The Mekong Metrology Capacity Building Project. They conducted training courses for developing economies and provided information on the changes made to the OIML R76, R87 and R11.

#### **14.13 Papua New Guinea**

Delegates from PNG were absent and the economy report was not submitted.

#### **14.14 Philippines**

Delegates from Philippines were absent and the economy report was not submitted.

#### **14.15 Russian Federation (A14-14-15)**

Prof. Lev Isaev explained the situation on legal metrology in Russian Federation.

In the last few years, Russia went through a radical change. To begin with, the operational structure of governmental organizations was reformed. As the result, Gosstandart of Russia is now operated under the ministry whereas it used to be directly managed by the federal government. This structural change caused the difficulty in making the payment for the APLMF membership fee and decisions at the lower level of institutional hierarchy. On the other hand, Russia made a great progress in legal metrology. They are capable of more than sixty million of verification within the economy and 2,600 type approval testing a year. In addition, they have a positive attitude towards the implementation of MRA. By now, all of the OIML Recommendations adopted at the 42<sup>nd</sup> OIML Meeting have been translated in Russian.

#### **14.16 Singapore (A14-14-16)**

Mr. Michael Ong highlighted two points in the economy report.

First, 85% of verification was done by the authorized verifier; and all verification will be completed by January 2009. Second, the Accuracy Label, which was introduced in April 2004, has been affixed to all the measuring instruments for trade use.

#### **14.17 Chinese Taipei (A14-14-17)**

Mr. Brian Shu covered the main points of the economy report.

First, the Self-Verification Scheme which was initiated in 2004 was reviewed for better participation rate by the manufacturers. This scheme is subject to taxi meters, electric non-automatic weighing instruments and water meters. Despite the facilitating plan, only two water meter manufactures applied for the license up until January 2007. Since the review, one diagram gas meter manufacturer was granted for the certificate; Bureau of Standard, Metrology and Inspection (BSMI) will keep pursuing for better solution. Second, their E-Learning website added new content, “measure uncertainty.” This website has been run since October 2005. Third, BSMI is also working on the assistance to the manufacturers with free consultation in adopting ISO 10012. This project was established with purpose to strengthen measurement management systems on accuracy. Fourth, BSMI conducted four in-house training courses on measurement management and verification.

#### **14.18 Thailand (A14-14-18)**

Mr. Veerasak Visutthatham spoke about the current status and activity of Thailand.



Department of Internal Trade (DIT) is going to expand the number of weights and measure branch office by four in addition to the current 24 branch offices and four weights and measure centers. As for adoption of the OIML Recommendation, Thailand has revised the ministerial order on prepackaged goods according to the OIML R79 and R87. This will be effective from January 2008. Thailand was also active in the APLMF activity. They hosted the Workshop on Metrology of Agricultural Products and Foods in February.

#### **14.19 United States of America (A14-14-19)**

Mr. Stanley Wayne Stiefel gave a summary report of the economy status in legal metrology.

The United States modified the Handbook 44 on type evaluation of measuring instruments used in trade with consideration of the difference between the OIML R60 & R76 and the corresponding national standards. As for other Recommendations, they are now working on R50 and R117. Another area they are discussing is the Automatic Temperature Compensation (ATC) where uniformity among the states is a major problem. This is a top priority for the National Conference on Weights and Measures (NCWM). Regarding the prepackaged goods labeling, they are aiming to set a regulation of SI-only labeling, but the issue has still been in progress. The U.S. is also working on the software issues. They are actively participating in the OIML TC 5/SC 2 to develop an OIML Document “General Requirements for Software Controlled Measuring Instruments.” It will be incorporated into Handbook 44 and the National Type Evaluation Program guides for device testing and approval. Hydrogen measurement standards are also being developed with purpose to promote alternative fuel for vehicles. As for the international cooperation work, the National Institute of Standards and Technology (NIST) hosted three OIML committee meetings for TC 6, TC 17/SC 8 and TC 17/SC 1.

#### **14.20 Viet Nam (A14-14-20)**

Mr. Nguyen Hung Diep reported the main activities and updates of Viet Nam.

They have revised and issued two legal documents: “Degree 134/2007 Legal Unit of Measurements” and “Degree 13/2007 List of Measuring Instruments Subject to Mandatory Verification.” As a future plan to be started by the end of 2007, amendment is scheduled to the two legal documents: “Regulation on Management of Measurement Standards, Reference Materials and CRMs” and “Regulation on Prepackaged Goods.” Also, Vietnam Technical Regulations on Metrology is to be issued in 2007. As for the action plan for 2008, they will revise and update the current ordinance on Law on Metrology. In terms of international activity, Viet Nam has joined the OIML MAA on R76 as a utilizing participant.

## **15. Needs of Member Economies**

Dr. Grahame Harvey of Australia is going to represent the APLMF in the APMP General Assembly in December 2007 on behalf of the President.

## **16. Next Presidency**

As proposed in the 13<sup>th</sup> APLMF Meetings, PR China declared to assume the Presidency and the Secretariat upon the completion of the 14<sup>th</sup> Meetings. The transition ceremony was held in the afternoon of October 20, 2007; and Mr. Pu Changcheng was introduced as the new President. The new Secretaries were assumed by Mr. Li Jinsi and Ms. Zheng Huaxin of AQSIQ.

## **17. Future Meetings**

Dr. Grahame Harvey of Australia proposed that Australia will host the 15<sup>th</sup> APLMF Meetings. The venue is going to be in Hunter Valley, which is located in the North of Sydney. The dates are scheduled on October 22 through 24, 2008 starting with the WGs Meeting. The transport will be arranged on 21<sup>st</sup> from Sydney to the venue which will be approximately 2-hour drive. He suggested the delegates flying into Australia on 20<sup>th</sup> to use the transport service.

Regarding the 16<sup>th</sup> Meetings, there is no economy that proposed to host the meeting so far. The Secretariat welcomes voluntary proposal from any member economies.

## **18. Closing Address**

Dr. Akira Ooiwa, the President, gave the closing address at the end of the meetings. He served the Presidency for six years from 2002 and showed his appreciation for the growth of the organization achieved as the result of the members' hard work. Among the achievements, he remarked especially the success of the training courses and workshops. In addition, he also expressed his appreciation to AQSIQ for their contribution made for the 14<sup>th</sup> Meetings as well as their enthusiasm to take over the continuous projects and the responsibility of APLMF.

Mr. Pu Changcheng also gave a closing address. At this forum meeting, he recognized the warm support from the members for his presidential assumption. He stated that he deeply appreciates this assistance and will try his best to lead the organization as the President.