

ACTIVITY REPORT FOR TRAINING COURSE ON

Foundation Course on Pre-packaged Goods

Dates: 3, 10, 17 and 24 March 2021

Venue: Online

Host: Republic of Indonesia plus Zoom - supported by Malaysia

Supporting Organisations:

Ministry of Business Innovation and Employment, New Zealand
Ministry of Trade, the Republic of Indonesia

Trainers:

Rifan Ardianto and Lita Annita Fajarani, Center for Development of Metrological Resources, Ministry of Trade, the Republic of Indonesia
Technical Expert: Davis White, Ministry of Business Innovation and Employment, New Zealand

APLMF Rep: Mrs Marian Haire, APLMF Training Coordinator

1. Objective of the Training

This course focused on the theory that underpins the Average Quantity System (AQS) and the internationally accepted labelling requirements based on OIML R87 edition 2016 and R79, respectively, with an emphasis on the mass and volume of prepackaged goods. At a later-date, courses will be developed looking at different aspects of the system such as density, carbonated goods, wet products etc. The training course was composed of lectures, demonstrations and Q&A activities. The aim of the training was to provide participants with the skills and knowledge to:

- Understand and apply the requirements of OIML R87 and R79; especially for prepackaged goods sold by weight,
- Inspect prepackaged goods using Internationally accepted Average Quality System methodology, and
- Determine if their economy's current inspection systems meet OIML recommendations.

2. Training Course Programme – see Annex 1

3. Target Group

This training course was designed for personnel with responsibility to develop a metrological infrastructure based on the implementation of the Average Quantity System (AQS) in-order-to enable them to determine compliance of both imported

and exported prepackaged goods within their respective economies. Participants are expected to disseminate the knowledge and apply what they have learnt within their respective economies. For a full list of participants and a photograph see **Annex 2**.

4. Highlights/ Lessons Learned

A test Zoom meeting was held on Wednesday 17 February 2021. This was to ensure everyone had an opportunity to identify any issues they might have with the technology. This also gave the President of APLMF, Dr Osman Bin Zakaria, an opportunity to welcome everyone and say a few words about the importance of supervising prepackaged goods. A group photo was also taken and then everyone had the opportunity to introduce themselves. Some time was spent going over some rules to ensure everyone knew how best to ask a question during the course. Participants were encouraged to use the chat facility where possible.

This course was attended by 19 participants from 9 economies with trainers from Indonesia and New Zealand. All participants provided input regarding the level of implementation within their own economy in-order-to develop an overview of the region. This information has been collated and is shown in **Annex 3**. Each participant developed an action plan explaining what they intend to implement after attending the training course. A copy of all the collated action plans is shown at **Annex 4**.

Participants learnt about good regulatory practice and how to conduct a reference test including issues to be considered when conducting a reference test. Participants were provided with the APLMF standard Test Spreadsheet as a tool for assessment and calculation. The participants appeared to be the right people for the course. There were some good questions asked both through the chat facility and by direct question. After each session, the participants were given some homework. This is the third online training course that APLMF has presented since January. We are still exploring new ways to get more involvement from participants. We introduced a quiz which participants were asked to complete during the last session. We used Google which allowed us to collate all the answers and get an idea about the learning that took place. On average the result was 75%. The highest score was 93.33% and the lowest score on was 31.67%. We noted that the participants from Peru still completed the quiz even though they had difficulty attending all 4 sessions. The Secretariat and the Training Coordinator will be attending some training in April which will hopefully produce some new ideas for online delivery. To date we have not looked at putting participants into rooms and giving them an activity to discuss. This would be an idea to try in future online training events.

It is obvious that despite the minimum interaction participants are clearly very grateful to have the experience. They were asked to provide feedback using Survey Monkey where they reported the training was good or excellent. They really liked the fact that we included a practical component to the course. Zoom was considered the most suitable platform by 100% of the respondents. They also liked the fact that the training was held on the same day for each of 4 weeks. This allowed them to do some relevant homework within their own economies checking prepackaged goods. When asked about what they learnt they were all positive and one quote in particular sums up many of the responses: *I gained new knowledge about the sampling plan followed by OIML R87 Ver. 2016. It's different from the old version. And I will present that to my office for improving the government regulation in the future.* They were also positive about what they will do to implement their learnings such as: *I will translate training materials and will share my colleagues. And also use these methods in inspection of prepackages and Prepackaged goods regulation in my economy need to be revised so that it can be implemented in my workplace.* The practical component of the training was mentioned by many participants as the best part of the course.

It was useful having the technical expert from New Zealand attend the training as he was able to add value by answering some questions asked through the chat facility. The participants also have access to him and the other trainers if they have any further questions.

After this third online training we have learnt that we can now deliver excellent training for very little cost. It is quite a wonderful thing that with cooperation of members we can put together quality training and assist our members to improve their metrological infrastructure. I am particularly pleased that this training was developed and implemented by a developing economy. Congratulations to the trainers from Indonesia from putting together such a good training course. The files have been saved and can be reviewed as YouTube videos on our website. The Secretariat have also done a great job taking onboard a new way of delivering training as they also took over the Secretariat. A suggestion was made that it would be better to use a Learning Management System (LMS) to deliver training as this could increase interaction between trainers and trainees outside the training program. This is something we should investigate further. The possible use of the PTB LMS could be considered.

5. Next Steps/ Follow-up

As a follow-up the Working Group on Goods Packed by Measure will develop some standalone mini courses focusing on different types of products. These will be announced by the Secretariat once dates have been developed. The Secretariat will also follow up on the action plans to see what progress has been made in 6 months and also in 12 months.

Annex 1 Program Foundation Course on Pre-packaged Goods

Session 1 – Wednesday 3 March 2021

Details	Presenters
Overview of each economy's current implementation	
Labelling on pre-packaged goods (OIML R79)	Lita Annita Fajarani Rifan Ardianto
Review OIML Guide 21	
Homework	

Session 2 – Wednesday 10 March 2021

Sampling procedure at manufactures/packers	Rifan Ardianto
Sampling procedure at marketplace	
Homework	

Session 3 – Wednesday 17 March 2021

Net content of pre-packages sold by weight (rice)	Lita Annita Fajarani
Homework	

Session 4 – Wednesday 24 March 2021

Net content of pre-packages sold by volume (cooking oil)	Lita Annita Fajarani
Online Quiz	
Action Plans	APLMF

Annex 2 List of Participants

Pos.	Title	Name	Economy	Institution
1	Mr.	Wie Zhao	China	Shanghai institute of Measurement and Testing Technology (SIMT)
2	Ms.	Zhuojun Xu	China	Shanghai Administration for Market Regulation
3	Mr.	Junguo Wang	China	Qingdao Institute of Measurement Technology
4	Mr.	Chih-Min Chan	Chinese Taipei	Bureau of Standards, Metrology and Inspection, MOEA
5	Mr.	Chia-Liang Chen	Chinese Taipei	The Bureau of Standards, Metrology and Inspection, Ministry of Economic Affairs
6	Mr.	Yu-Hsin Wu	Chinese Taipei	Industrial Technology Research Institute
7	Mrs.	Kurniawati Yanuartarini	Indonesia	Ministry of Trade
8	Mr.	Uswatun Nizham	Indonesia	Directorate of Metrology
9	Mr.	Anuar Zaidi	Malaysia	Malaysia Ministry of Domestic Trade and Consumer Affairs
10	Mrs.	Altantsetseg Tserenpil	Mongolia	Mongolian Agency for Standard and Metrology
11	Mrs.	Batmend Tudev	Mongolia	Mongolian Agency for Standard and Metrology
12	Ms.	Sergelen Nokhoijav	Mongolia	Mongolian Agency for Standard and Metrology
13	Ms.	Luz Cori	Peru	INSTITUTO NACIONAL DE CALIDAD
14	Ms.	Galia Ticona	Peru	Instituto Nacional de Calidad - INACAL
15	Mr.	Roberto Colonia	Peru	Instituto Nacional de Calidad - INACAL

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16	Ms	Faith Tan	Singapore	Enterprise Singapore
17	Ms	Pamela Tan	Singapore	Enterprise Singapore
18	Mrs.	Wellage Chandani Saroja	Sri Lanka	Measurement Units Standards & Services Division
19	Mrs.	Kalani Mallawaarachchi	Sri Lanka	Measurement Units, Standards & Services Department
20	Mrs.	Wasantha Rupika Rajamanthri	Sri Lanka	Measurement Units, Standards & Services Department
21	Ms.	Wipawee Namagorn	Thailand	Central Bureau of Weights and Measures
22	Mr.	Poomsan Wongsuesat	Thailand	Central Bureau of Weights and Measures

Photograph of participants taken with President of APLMF, Dr Osman Bin ZAKARIA During the test session on 17 February



Annex 3 Summary of Economy Reports

Name	Economy	Adequate legislation	Who does inspections	Certification of PPG	Implementation of OIML R 79 and R 87	Problems to overcome
Wie Zhao	China	Yes	Inspectors	Yes	Partially implemented , we have increased the measurement requirements for less than 100 pieces of PPG.	nil
Zhuojun Xu	China	Yes	Inspectors	Yes	Partially implemented	nil
Junguo Wang	China	Yes	Inspectors	Yes	Fully implemented , revised edition	nil
Chih-Min Chan	Chinese Taipei	Yes	Inspectors	Yes	Partially implemented	nil
Chia-Liang Chen	Chinese Taipei	Yes	Inspectors	Yes	Partially implemented	nil
Yu-Hsin Wu	Chinese Taipei	Yes	Inspectors	Yes	Fully implemented	nil
Kurniawati Yanuatarini	Indonesia	Yes	Inspectors	No, the pre-packaged goods manufacturer or packers have a quality control system to ensure the net content, and the inspectors carry out inspections at several production	Fully implemented	Inadequate facilities and infrastructure for PPG testing, most of the people don't understand about pre-packaged goods, law.

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				line, warehouse, or markets		Enforcement is not implemented optimally.
Uswatun Nizham	Indonesia	Yes	Inspectors	No. Test is done by taking sample of a batch of product. then, checking the labelling requirement. Then check the requirement of the product's quantity conformity	Fully implemented , beside adopting OIML R79 and R87, my economy also adopting recommendation from ASEAN Common Requirement of PPG	Awareness of producers and packers of PPG is still low
Anuar Zaidi	Malaysia	No	No	No	Not implemented yet	No
Altantsetseg Tserenpil	Mongolia	Yes	Inspectors	Yes	Partially implemented	Promote the standard to manufacturers. There are not enough trained inspectors.
Batmend Tudev	Mongolia	Yes	Inspectors	Yes	Partially implemented	OIML R79 is not

						completely adopted on national level and not translated yet into Mongolian language.
Sergelen Nokhoijav	Mongolia	Yes	Inspectors	Yes	Fully implemented	It is not possible to make a list.
Luz Cori	Peru	Yes	Inspectors	No	Fully implemented	Acquire knowledge for the implementation of OIML R 87
Galia Ticona	Peru	Yes	Other	No	Partially implemented	Establish a dialogue in conjunction with the institutions that have the function of supervising the metrological control of PPG.
Roberto Colonia	Peru	Yes	Other	No. Supervisory and inspector's entities are responsible for supervising and inspecting net content when the PPG are exposed to the consumer.	Partially implemented	

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Faith Tan Pamela Tan	Singapore	Yes	Inspectors	No, Singapore conducts regular inspection on identified categories of PPG as part of its proactive surveillance.	Partially implemented , Labelling requirements for PPGs are not prescribed in our legislation. Labelling requirements for food products are regulated under a different agency, the Singapore Food Agency	Nil
Wellage Chandani Saroja	Sri Lanka	Yes	Inspectors	Yes	Fully implemented	nil 1. Lack of awareness and training of the OIML recommendations for PPG. 2. Identify required specification of weighing measuring instrument for the testing/inspection of PPG at the site.
Kalani Mallawaarachchi Wasantha Rupika Rajamanthri	Sri Lanka	Yes	Inspectors	Yes	Fully implemented	
Wipawee Namagorn	Thailand	Yes	Inspectors	Yes	Fully implemented	ni
Poomsan Wongsuesat	Thailand	Yes	Inspectors	Yes	Fully implemented	nil

Annex 4 Summary of Action Plans

Name	Economy	Due Date	Activity	Who and how many people will be involved
Wie Zhao	China	30.08.2021	Deliver training on OIML R87 edition 2016 with an emphasis on the mass of pre-packaged goods	About 10 engineers involved prepackaged goods inspection work will attend the training
Zhuojun Xu	China	March 2021	Carry out supervision and inspection of commodities	The inspectors from institution (i.e. SIMT) about 20 people
Junguo Wang	China	24/09/2021	Revise JJF 1070 Rules	
		24/09/2021	Deliver courses on metrological testing for pre-packaged goods	Legal metrology officials in China
Chih-Min Chan Chia-Liang Chen Yu-Hsin Wu	Chinese Taipei	Nov-21	Deliver a pre-packaged products on volumetric training course	10 employee of 7th division
Kurniawati Yanuartarini	Indonesia	April - May 2021	Provide input into the revision of pre-packaged goods regulations	Policy makers and inspectors. Approximately 10 2021
		June 2021	Provide pre-packaged goods training in Directorate of Metrology	Inspectors. Approximately 20 people.
		July –Sept 2021	Implementing knowledge during inspections	Inspectors, manufacturer, packager, or market owner. Approximately 10 people
Uswatun Nizham	Indonesia	Apr-21	Share and transfer the knowledge that I get in this training to my colleague at my institution	Colleague at my institution. Around 30-50 people
		Dec 2021	Gradually increase the awareness of packers and producers of prepackaged about the regulation and inform them the importance of meeting the requirement	Producer and packers of prepackaged goods, around 50-100 companies

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		Dec 2022	Implement the certification system of prepackaged as stated in OIML G21	Colleague at my institution 30-50 people
Anuar Zaidi	Malaysia	N/A	N/A	N/A
Altantsetseg Tserenpil	Mongolia	May 2021	Translation of training material to Mongolian language	
		June 2021	Deliver training	Inspectors and verification officers who perform inspection of prepackages. 15-20 trainees
Batmend Tudev	Mongolia	2 months	Deliver internal training	6 personnel of MASM
		3 months	Deliver external training	2 personnel of Metrological Inspection Organization
Sergelen Nokhoijav	Mongolia	20/05/2021	Introduction colleagues to OIML R87 and R79.	Head of Verification and Calibration of Measuring instruments. Head of Calibration department and specialists of MASM /10 person/
		15.09 2021	Explain how to apply Internationally accepted Average Quality System methodology	10 officers of Department of Verification and Calibration of Measuring Instruments
Luz Cori Galia Ticona Roberto Colonia	Peru	1/07/2021	Provide training talks on the knowledge acquired	More than fifteen people from the institution
		1/08/2021	Support the interpretation of OIML R87 based on the knowledge acquired	People from public institutions that require support
Faith Tan Pamela Tan	Singapore	July 2021	Review and enhance internal procedure	Officers directly involved in implementing metrological control of pre-packaged goods
		Sep-21	Review the Weights and Measures legislation concerning the requirements of prepackaged goods	Policy department within the division and officers directly involved in implementing metrological control of pre-packaged goods
Wellage Chandani Saroja	Sri Lanka	8/04/2021	Deliver training at the Prepackage Center in Colombo	50

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		10/05/2020	Deliver training to MUSS division in Colombo	20
		7/06/2021	Increase awareness of regulations at the Cooperatives /Sathosa Sale Center in Colombo	60
		24/07/2021	Meeting	Batch
		24/09/2021	Meeting	All Inspectors
Kalani Mallawaarachchi	Sri Lanka	24/05/2021	Share learning at staff meeting	Office Staff
		24/07/2021	Increase awareness amongst industry	Industry staff
		24/09/2021	Conduct a training session for inspectors	All Inspectors
Wasantha Rupika Rajamanthri	Sri Lanka	24/05/2021	Make a presentation to colleagues	Office Staff
		24/07/2021	Develop a workshop	Batch
		24/09/2021	Deliver a training workshop	All Inspectors
Wipawee Namagorn	Thailand	June 2020	Carry put a group-discussion about requirements, method of control of pre-packaged product, and identify improvements in practice	Staff in Bureau of Weights and Measures, Thailand
Poomsan Wongsuesat	Thailand	Sep-21	Discuss products inspection in the department store in Eastern region of Thailand	7 officers in Prachinburi branch office.