

Best Practices Sharing and Technical Capacity Building for Measurement and Verification Standards of Energy Savings (CTI 17 2016A)

Dr. LIU Meng

China National Institute of Standardization

Basic Information





- Proposing economy: China
- Co-sponsors:
 - Indonesia, Viet Nam , Hong Kong(China)
- Time frame:
 - October 1, 2016 September 30, 2017

Objectives







To share best practices regarding the M&V standards based activities to increase the reliability of M&V of energy savings.

To improve the capacity to use international M&V standards to guide the M&V activities through exchanging expertise between developed economies and developing economies.

To enhance an understanding of importance of M&V for ensuring credible performance improvement through the public-private dialogue.

Outputs (1)

• The Review of M&V in APEC region (Nov. 2016 – Feb. 2017): A questionnaire was developed and circulated in APEC SCSC and EGEEC to investigate the M&V market, standards, stakeholders in APEC economies and the potential topics for the workshop. The findings of the survey played an important role in determining the topics and activities for the project workshop.

Survey for Best Practices Sharing and Capacity building of Energy

Savings Standards in APEC region

Energy savings standards include: standards for Measurement and Verification (M&V) of energy savings, process of planning, measuring, collecting data, analyzing, verifying, and reporting energy savings for defined M&V boundaries developed in ISO/TC 301.

Energy management standards include: ISO 50001 and relevant supporting standards developed in ISO/TC 301

Q1. What kind of organization do you represent for?

A. Standardization bodies

C. Certification bodies

E. Academy institutesF. Universities

G. Independent expert

H. Others, please specify

B. Government

D. Test labs

11. Others, picuse spectry
Q2. Are you aware of any national standards for energy management and energy
savings in your economy?
A. Yes, we have standards, please specify the number and title of the
standards
B. Yes, we will develop national standard
C. Yes, we will adopt international standard
D. No, please explain the reason
Q3. Are you aware of international standards for energy management and energy
savings
A. Yes, Please specify the number and title of the standard(s)
B. No
Q4. Who are/will be the main users of standards for energy management and
energy savings in your economy?
A. Policy-makers
B. The third-party evaluators/verifiers
C. ESCos
D. Financing institutes
E. Environment organizations
F. Test labs
G. Academy institutes
H. Universities
I. Independent expert
J. Others, please specify

Outputs (2)

Implementation of Workshop: APEC workshop on Best Practices Sharing and Technical Capacity Building for Measurement and Verification Standards of Energy Savings

Venue: Beijing, China

Date: June 3-4, 2017

Participants: 8 experts from China, US, Austrilia, Japan and international organization of ISO/TC 301, APEC EGEE&C ,EVO presented as speakers and around 20 stakeholders representatives from China, Chile, Philippines, Japan, Indonesia, Malaysia, Thailand, Viet Nam attended as the participants

Main activities: The presentations were given and discussion were carried out focusing on the topics of progress on internationally accepted M&V standards, international best practices for M&V of energy savings, capacity building of applying international M&V standards, etc, and a technical tour to a smart energy system demonstration project was done.







Outputs (3)





Recommendations

- To encourage the APEC economies to participate in the development of M&V related international standards.
 - 87.5% of the respondents choose the International standards for M&V of energy savings as their most favorite topics.
- More workshops for capacity building
 - It will provide an opportunity for people working in the energy efficiency area in the developing economies.
- Prioritize the development of M&V standards for an emerging energy efficiency market
 - M&V of energy performance, M&V of energy savings and qualification requirement of energy professionals
- Dialogue between the government and the industries for adopting international standards for M&V and best practices

Contact us





Project Overseer

Dr. LIU Meng

China National Institute of Standardization, CNIS

liumeng@cnis.gov.cn

+86-10-58811128 (tel)

+86-10-58811714 (fax)



Asia-Pacific Economic Cooperation

Thank you! 销销销制。



