

Harmonizing Standards and Enhancing Technical Capacity in Measurement and Verification of Energy Savings of projects or organizations (CTI 13 2014A)



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Basic Information



- **Proposing economy: China**
- **Co-sponsors:**
 - **Canada, Indonesia, New Zealand, US, Viet Nam**
- **Time frame:**
 - **Aug. 1, 2014 – Jul. 31, 2015**
- **Budget: \$ 90,000 + 90,000**
- **Final Project Proposal was approved by the APEC Secretariat in June 2014**

Relevance



- **Investment on energy saving technologies and trade of energy efficiency services is expanded in APEC quickly. Policy or regulations bounded to energy savings such as white certificate scheme, energy savings subsidy or tax rebate are also popular in APEC economies.**
- **Standards for Measurement and Verification (M&V) of energy savings of projects or organizations are valuable for different stakeholders to better define, adopt, manage and improve the technical and management measures to achieve energy savings and increase energy efficiency.**
- **International standards for M&V of energy savings such as ISO DIS 17741 or ISO FDIS 50015 are expected to be adopted before the middle of 2015. It is noted that most APEC developing economies did not join the preparation of these standards. Therefore it is necessary to improve their awareness and identify their capacity building needs for applying these M&V standards.**

Why M&V?



Energy Performance Improvement?

M&V of Energy Performance & Energy
Performance Improvement

International M&V related standards



International standards		Methodologies	Level
ISO DIS 17743 (ISO/TC 257)		General framework for calculation of energy savings	General
	ISO 17742 (ISO/TC 257)	Calculation methods	Region, country, city
	ISO CD 17747 (Lead by ISO/TC 257)	Calculation methods	Organization
	ISO 50015(Lead by ISO/TC 242)	M&V of organizational energy performance	
	ISO DIS 17741 (ISO/TC 257)	M&V and calculation of energy savings of projects	Projects

Objectives



To share experiences of harmonizing M&V methodologies for increasing the reliability of energy savings of projects or organizations to promote investment in energy efficiency and contribute to a reduction in energy intensity.

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

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

Outputs



- **APEC participating economy reviews of M&V market, methodologies, standards, stakeholders, personnel capacity, certification program and barriers**
- **APEC workshop on Harmonizing Standards for M&V of Energy Savings of Projects or Organizations**
- **Actionable recommendations: APEC economies will identify prior areas (such as M&V procedures, calculation methods and personnel capacity) to harmonize M&V standards, proposing solutions to any identified barriers, and potential capacity building requirements from developing economies.**

Progresses



- **In process**
 - **Preparing and circulating the questionnaire for M&V in APEC. Economies will be asked to complete the M&V survey. (EGEE&C experts' inputs)**
 - **Soliciting participation of regulators and experts from each economy (EGEE&C experts involved)**
 - **Preparing for in-person workshop**
 - **Option A: combined with next SCSC meeting in Philippines in Jan./Feb., 2015.**
 - **Option B: In the first week of Feb 2015 in Beijing following the next ISO/TC 257 meeting (non-APEC experts involved)**
 - **Option C: April/May, 2015 in China or co-sponsor economies (possibly collaborating with the next APEC EGEEC meeting)**

Contact us



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Asia-Pacific
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Thank you!

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