



**Asia-Pacific
Economic Cooperation**

2017/EWG/EGEEC50/006

Update on United States-Led Projects Funded by APEC Expert Group on Energy Efficiency and Conservation

Purpose: Information
Submitted by: United States



**50th Expert Group on Energy Efficiency and
Conservation Meeting
Moscow, Russia
6-7 October 2017**

Update on US-led Projects funded by APEC EGEE&C

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50th Meeting of the APEC EGEE&C
Moscow, Russia
05 October 2017



US Led Projects

CTI-27-2013A – Aligning Energy Efficiency Regulations for ICT Products - Completed

EWG-04-2015A: Enhancing Regional Conformity Assessment to Ensure Successful ISO 50001 Standard Outcomes (USA) -

EWG-01-2016A: Gaps Assessment on APEC Energy Efficiency and Conservation Work toward Fulfilling the Leaders' Energy Intensity Reduction Goal (USA)

EWG-08-2016A: Workshop to Develop Qualified Product Lists for High-Quality and High Efficiency Commercial, Industrial, and Outdoor Lighting Products and Control Systems in the APEC Region (USA)

EWG-19-2016A: APEC Workshop on Promoting the Development of an Evaluation Community (USA)

CTI-27-2013A – Aligning Energy Efficiency Regulations for ICT Products - Complete

Outcomes

- Educated regulators and other stakeholders on the use of international energy efficiency standards and conformity assessment methods
- Executed a pilot that identified improvements to IEC 62623,
 - demonstrated that a qualified laboratory can test to IEC 62623 while accounting for national deviations;
 - In this case those of the U.S. and Australia/New Zealand.
- Dr. Li determined that a revised IEC 62623 can be used as EE standard for PC's in China,

Challenges

- Identifying and engaging of relevant experts in APEC economies, and the IEC,
- Turnover among the project overseers.

CTI-27-2013A – Aligning Energy Efficiency Regulations for ICT Products

Indicators	# planned	# actual	Details or notes
# workshops / events	1	1	Held in Beijing, August 2014
# participants (M/F)	50	53	
# economies attending	15	14	
# speakers engaged		15	
# other organizations engaged	1	1	IEC
# publications distributed	1	1	TIRT Laboratories Pilot Test Report
# recommendations agreed on	N/A	8	
Other: Survey of Economies on energy efficiency regulations for PCs	1	1	

EWG-04-2015A: Enhancing Regional Conformity Assessment to Ensure Successful ISO 50001 Standard Outcomes (USA)

Goal: improve infrastructure that support successful ISO 50001 implementation and create regional consistency, such as efforts to train and qualify ISO 50001 auditors.

Carried out by U.S. Department of Energy (**DOE**) in coordination with the Energy Management Working Group (**EMWG**) and United Nations Industrial Development Organization (**UNIDO**).

The project was just extended into 2018 due to staffing changes that impacted implementation; however, DOE has already conducted extensive coordination with key stakeholders in several economies.



ISO 50001 Project Plan



Project Workshops and Webinars

Workshops

Technical training in Atlanta, Georgia, USA
Educate practitioners on ISO 50001 elements, Provide tools and techniques to verify energy performance improvements. *January 2018*

Policy-oriented workshop in Jakarta, Indonesia (TBC)
Explore role of ISO 50001 in domestic policies and energy efficiency programs. *December 2017 or January 2018*

Technical and policy workshop in Latin America (location TBD)
Focus on ISO 50001 technical skills and establish linkages among institutions in the various economies to support ISO 50001 personnel training programs. *February or March 2018*

Webinars

Exchange best practices on ISO 50001 implementation among APEC economies and EMWG members. *November 2017*

Generate input from APEC economies on ISO 50001 implementation, as input for ISO TC 301 revision of ISO 50001. *Dec 2017 or early 2018*

EWG-01-2016A: Gaps Assessment on APEC Energy Efficiency and Conservation Work toward Fulfilling the Leaders' Energy Intensity Reduction Goal (USA)

Final report is being drafted now by the University of Pennsylvania



EWG-08-2016A: Workshop to Develop Qualified Product Lists for High-Quality and High Efficiency Commercial, Industrial, and Outdoor Lighting Products and Control Systems in the APEC Region (USA)

Purpose:

Promote quality LED outdoor (and industrial) lighting products;
Reduce trade barrier across APEC region and beyond;

Methods:

Introduce existing quality certification programs, such as Quality Product List (QPL) to APEC economies;
Identify needs of such programs in APEC economies;
Facilitate collaboration on existing Quality Product List (QPL) schemes (preferred), or;
Facilitate establishment of new programs.



Qualified Product List Workshop

Date and Venue:

Oct 12-13, 2017, Zhuhai, China

Experts:

Design Lights Consortium (DLC), IEA 4E, UNEP U4E, BC Hydro, Metropolitan Area Planning Council (MAPC) of Massachusetts, Economy representatives

Total around 10 speakers

Participating economies:

China (Host), US (Project Overseer), Thailand, Indonesia, Vietnam, the Philippines, Chile, Mexico, Malaysia.

Total around 25 participants



Workshop Structure

Introduction:

Project background, speakers & participants self-introduction

Experience sharing:

Overview of DLC's QPL program

Standards:

Global standards and DLC QPL's specs

Other programs:

Economy representatives to share their economies' case studies

Discussion:

Panel discussions and break-out discussions.

Free talks:

Workshop will leave 2 hours at the end for constructive talks between participants

EWG-19-2016A: APEC Workshop on Promoting the Development of an Evaluation Community (USA)

Workshop being held October 30 – 31 in Bangkok, Thailand

The workshop will serve as a platform to discuss and exchange challenges, experiences, current strategies, policies, protocols, and regulations for designing and implementing program and policy evaluations.

It will continue a capacity building process through enabling a robust environment for evaluation, strengthening institutional capacity, and improving individual evaluator capacity.