

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

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# 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

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

