



# Regional Harmonisation of MVE in Asia

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*CLASP*



# CLASP improves the environmental and energy performance of appliances & equipment

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&  
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products

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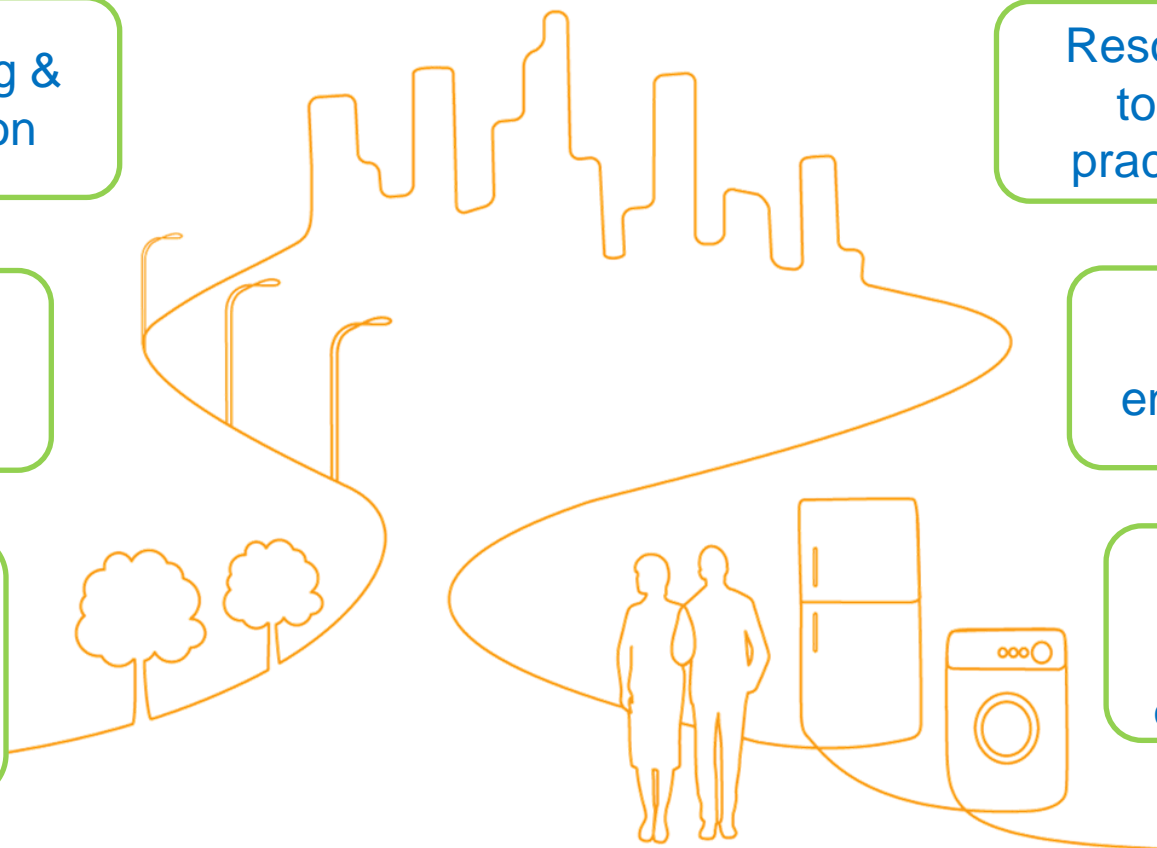
Resources &  
tools for  
practitioners

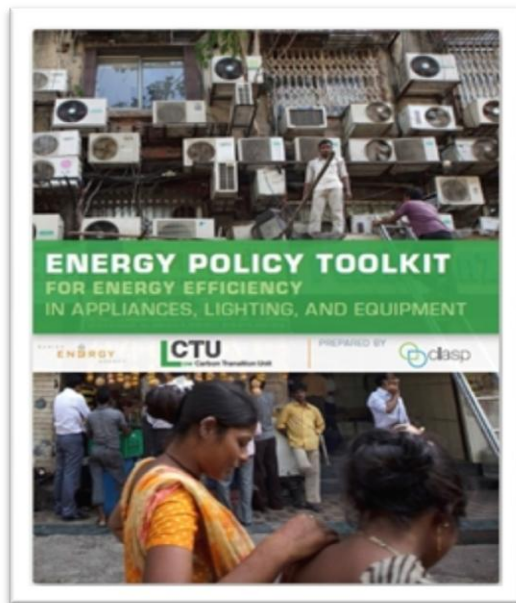
Training &  
capacity  
building

Off-grid &  
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Phasing down  
HFCs and high  
GWP  
refrigerants

Raising  
consumer  
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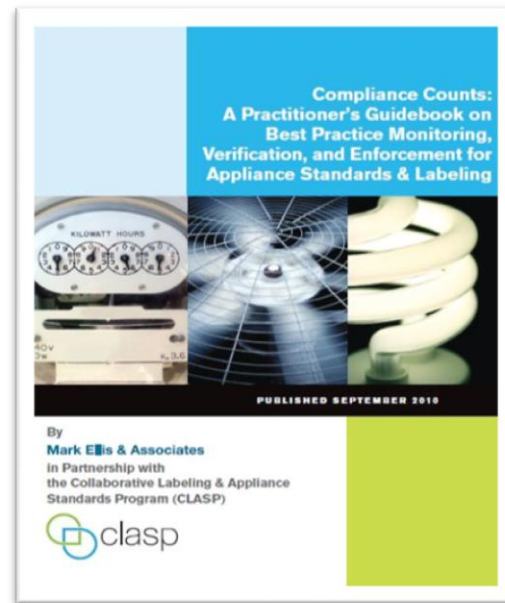




Energy  
Efficiency Policy  
Toolkit



Standards &  
Labelling  
Guidebook



Monitoring Verification  
& Enforcement  
Guidebook

**MVE Economy  
Profiles**

**CLASP Global S&L  
Database**

**APEC-ESIS  
Secretariat**

# Appliance Energy Efficiency in APEC

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Bangkok, 3-4 February 2015



# Prioritising MVE in the APEC Region

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- Insufficient attention on compliance
- MVE authorities lack experience, knowledge and resources
- MVE activities implemented at the national level
- Varied maturity of MVE activities and S&L programs, so no “one size fits all” approach for better compliance

## HOWEVER

- Appliance models traded throughout the APEC region
- Opportunities to use cooperative and creative approaches to:
  - minimise cost of testing (e.g. mutual recognition of test reports)
  - maximise dissemination of results



# APEC EGEE&C Work on MVE

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- APEC Expert Group on Energy Efficiency & Conservation
- Prioritising MVE and addressing challenges through:
  - Ongoing dialogue in the EGEE&C meetings
  - Establishing an APEC MVE Network
  - Surveys and reports
  - Workshops

**Two Workshops on Best Practice for MVE in Beijing**

**June 2012  
October 2014**



*Bangkok, 3-4 February 2015*



# Survey of Market Compliance Mechanisms for EE Programs in APEC Economies

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- Report supported by APEC under the APEC EGEE&C
- Compiled information on MV&E processes used to ensure compliance in S&L programs in APEC economies.
- Findings based on a survey of 18 APEC economies and other discussions within the region.
- Recommendations included:
  - Regional initiatives / network to improve transfer of knowledge
  - Awareness raising and communication
  - Developing Operational Guidelines for MVE
  - Access to Test Laboratories
  - Industry Engagement

# 2013 APEC Project on Regional MVE

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- “Catalysing Monitoring, Verification & Enforcement Best Practices Exchange and Building Compliance Capacity in the APEC Region”
  - Identify best practices for resource-efficient verification testing
  - Create a MVE Network in the Asia-Pacific region to facilitate continuous information sharing and partnership development
- Project supported by:
  - Australian Department of Industry,
  - New Zealand Energy Efficiency and Conservation Authority
  - CLASP
  - Copper Alliance
  - Underwriter Laboratory

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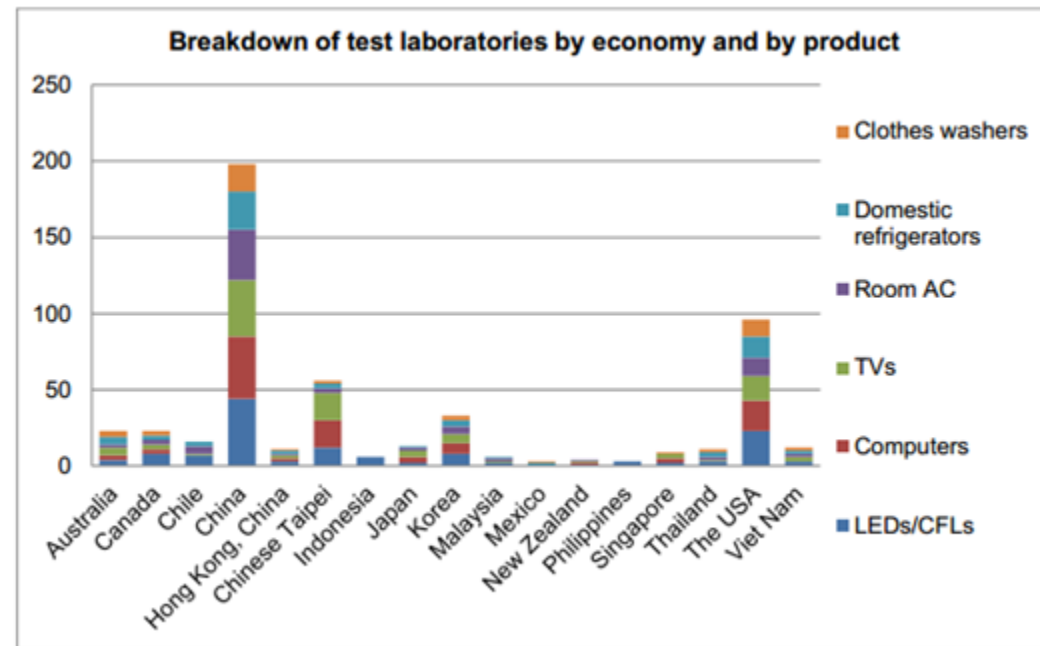


# Assessment of Testing Capacity within APEC

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- Study to identify testing laboratories in APEC region with capacity to test energy efficiency metrics for:
  - Lighting (CFLs, LEDs), Room ACs, TVs, Computers, Domestic Refrigerators and Clothes Washers
- Around 250 laboratories identified, mainly in economies with manufacturing capacity
- Collaboration on testing enables more cost-effective compliance activity

Bilateral agreement between Vietnamese authorities and a Thai laboratory to carry out certified testing on domestic refrigerators



# Establishing an APEC Regional MVE Network

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- A strategic regional, cost-effective approach to reduce non-compliance
- A network for MV&E authorities (government to government collaboration), based on EU approach
- Focus on compliance intelligence-sharing and peer learning
- Taking small steps towards regional coordination

## Step 1

Establish economies' willingness to participate and identify their needs

## Step 2

Establish regular compliance information exchange & identification of best practices

## Step 3

Establish bilateral or multilateral MOUs on sharing compliance testing information

## Step 4

Develop formal, regional coordination of market surveillance activities, e.g. joint testing program

# Next Steps for APEC Regional Collaboration

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- Finalise and agree on the APEC MV&E Regional Collaboration Guiding Principals
  - Establish a Secretariat
  - Hold regular meetings
  - Facilitate transfer of knowledge:
    - Better communication
    - Data sharing
    - Sharing test plans and results
- Seeking out potential pilot projects to put these principals into practice
  - lites.asia? ASEAN SHINE?

## The Beijing MV&E Regional Collaboration Guiding Principles

January 2015 - DRAFT

This document expresses an intention by willing APEC Economies to collaborate on a regional network focusing on sharing monitoring, verification and enforcement (MV&E) information and best practices, in support of national energy efficiency Standards & Labelling (S&L) programs in the Asia Pacific region. The principles below define the background and the needs for such a network. Furthermore, the principles can serve as the basis for future cooperation and coordination between the APEC Economies, under the auspices of the APEC Expert Group Energy Efficiency & Conservation (EGEE&C), and strategic partners.

### A. Background for the Network

- 1.1. Standards and Labeling (S&L) programs are a proven policy approach for economies to save energy and address climate change by mitigating emissions of greenhouse gases;
- 1.2. Robust national and regional MV&E frameworks help ensure the benefits of S&L policies are achieved and the program targets are maximized;
- 1.3. MV&E information, market intelligence, and best practices exchange among economies in the region can help programs improve product compliance, quality, consumer satisfaction, reduce barriers to trade, and mitigate greenhouse gas emissions;
- 1.4. A peer-to-peer network can serve as a secure channel for the communication of, and provide access to discussions regarding, program successes, issues, resource needs, and to share market intelligence among and between economies;
- 1.5. Economies' participation to the Network is on voluntary basis. Economies are encouraged to work collaboratively to define and identify activities to be undertaken by the Network for leveraging and maximizing compliance resources and activities in the region.

### B. Network activities could include but not limited to the following:

- 2.1. Organization or appointment of an administrative unit serving as the Secretariat for the Network. The Secretariat would provide any necessary administrative support, such as maintenance of a roster of primary contacts of MV&E agencies and officials/personnel among the APEC economies that can participate in the network, and can help to identify other practitioners that can participate/contribute to the network.

# lites.asia Regional MVE Opportunities

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- Challenges faced by lites.asia countries:
    - Limited capacity for testing
    - Cross-border issues
    - Establishing regional registries
    - Learning from others / sharing best practice for MVE
  - Opportunity to establish bi-lateral, multi-lateral, or regional MVE information sharing networks
  - Build confidence and trust between national MVE authorities
  - Leverage experiences from EU, APEC, Australia & New Zealand
  - Joint or coordinated projects on lighting
- Increased MVE capacity with efficient use of resources!**

# Thank you!

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*Bangkok, 3-4 February 2015*



# Relevant Resources

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- APEC-ESIS S&L Database: <http://www.apec-esis.org/>
- CLASP Compliance Counts Guidebook 2010:  
<http://www.clasponline.org/en/Resources/MVEResources/MVEGuidebook.aspx>
- Survey of Market Compliance Mechanisms for EE Programs in APEC Economies:  
<http://www.clasponline.org/en/Resources/MVEResources/MVEPublicationLibrary/2012-APEC-MVE-Survey.aspx>
- APEC Compliance Best Practices Workshop Materials, Beijing, November 2012:  
<http://www.clasponline.org/en/Resources/MVEResources/MVEPublicationLibrary/AP-EC-Compliance-Workshop.aspx>
- APEC Compliance Best Practices Workshop Materials, Beijing, October 2014:  
<http://www.clasponline.org/en/Resources/MVEResources/MVEPublicationLibrary/2014-APEC-Workshop-Facilitates-Collaboration-on-Compliance.aspx>
- Assessment of Verification Testing Capacity in the APEC Region:  
<http://www.clasponline.org/en/Resources/MVEResources/MVEPublicationLibrary/AP-EC-Assessment-of-Testing-Capacity-Facilitates-Compliance-Collaboration.aspx>