

# APEC-ASEAN Harmonization of Energy Efficiency Standards for Air Conditioners: Phase 1

Japan

# Background

- Program initiated in 2010 by ICA and UNEP under the steering of the ASEAN EE&C SSN:
  - Study on estimate of EE related to increase in MEPS for AC and refrigerators in ASEAN conducted
  - Critical needs identified: harmonization of standards for testing methods and MEPS
  - Strategic framework for harmonization of EE standards for household appliances developed and approved by EE&C SSN
  - ACs selected as priority
- “APEC-ASEAN Harmonization of Energy Efficiency Standards for Air Conditioners: Phase 1” is the first step in harmonization of EE standards for ACs
- APEC economies to draw lessons on harmonization in ASEAN

# Project Overview

|                        |  |
|------------------------|--|
| Phase 1<br>(2012-2013) | Harmonize standards for testing methods for air conditioners among ASEAN members and develop a roadmap for the harmonization at APEC level based on lessons learned. |
| Phase 2                | Harmonize EE standards in ASEAN members through MEPS and HEPS policies   |
| Phase 3                | Build capacity of testing laboratories/increase consumer awareness.  |

- To create an enabling regulatory and policy environment for the market transformation in favour of higher energy efficiency air conditioners in APEC through the harmonization of standards for testing methods and energy efficiency for air conditioners.

# Project Framework

- Creation and meetings of the Policy Working Group (PWG) to provide policy guidance; and the Technical Working Group (TWG) assembling key experts to lead the technical work on standards development
- A report on recommendations for an ASEAN harmonized standard for testing methods through work of the TWG and extensive stakeholders consultation and approval by the ASEAN EE&C SSN and the APEC EGEEC and SCSC
- A report on recommendations on the way forward for an APEC-wide harmonization of standards for testing methods for air conditions in consultation with APEC EGEEC and SCSC

# Deliverables

- Preparation of recommendations for an ASEAN harmonized standard for testing methods
- Preparation of recommendations on the way forward for an APEC-wide harmonization of standards for testing methods for air conditioners

# Beneficiaries

- Ministries of energy
- National standardization bodies
- Testing laboratories
- AC manufactures

# Project Organization: Roles

|  |   |
|--|---|
| ASEAN Members  | Participate in PWG/TWG to provide appropriate policy/technical inputs |
| Ministry of Economy,<br>Trade and Industry,<br>Japan | Project management  |
| International<br>Copper Association                  | Project coordination  |
| UNEP   | Partial funding for travel cost<br>(Cambodia, Lao PDR, Myanmar)       |

# Timeline

| Activity                               | Months   |   |   |   |   |   |                                    |   |   |    |    |    |     |
|--|--|---|---|---|---|---|------------------------------------|---|---|----|----|----|-----|
|  | 1  | 2 | 3 | 4 | 5 | 6 | 7                                  | 8 | 9 | 10 | 11 | 12 |     |
| 1. Hire consultant(s)                  |  | a |   |   |   |   |                                    |   |   |    |    |    |     |
| 2. Form TWG                            |  | b |   |   |   |   |                                    |   |   |    |    |    |     |
| 3: Review current standards            |  |   |   |   |   |   | c                                  |   |   |    |    |    |     |
| 4: Stakeholders consultation           |  |   |   |   |   |   |                                    |   | d |    |    |    |     |
| 5: Prepare recommendations to EE&C SSN |  |   |   |   |   |   |                                    |   |   |    | e  |    |     |
| 6: Prepare recommendations to APEC     |  |   |   |   |   |   |                                    |   |   |    | f  |    |     |
| 7: Prepare for phase 2                 |  |   |   |   |   |   |                                    |   |   |    |    |    |     |
| 8: Dissemination workshop              |  |   |   |   |   |   |                                    |   |   |    |    |    | g-h |
| <b>Milestones</b>                      | A Consultant hired   |   |   |   |   |   | e Report submitted to EE&C SSN     |   |   |    |    |    |     |
|  | B TWG kick-off meeting   |   |   |   |   |   | f Report submitted to EGEEC        |   |   |    |    |    |     |
|  | C Report on recommendations for formulation of harmonized standard |   |   |   |   |   | g Dissemination workshop organized |   |   |    |    |    |     |
|  | D Stakeholders' consultation workshop                              |   |   |   |   |   | h Final report submitted to EGEEC  |   |   |    |    |    |     |

We're here

Next TWG/PWG meeting scheduled mid-May, JKT



# Progress

- Identified a consultant
- TOR for PWG/TWG determined
- Kick-off meeting of PWG/TWG organized (19-20 Feb 2013)
- Standards currently being reviewed in preparation of draft harmonized standard
- Next: TWG/PWG meeting (scheduled May 2013) to approve draft and plan for finalization)

# Note

ICA managed to secure funding from the European Union (1.7 mil. EUR) to implement the complete program (upgrade and harmonization of MEPS, CB for testing labs and AC manufacturers, support to adoption of national policies to promote higher efficient ACs, consumer awareness)

> More experiences to share among APEC economies