

# **SEAD-funded APEC-CAST Project Updates**

40<sup>th</sup> Meeting of the APEC  
Expert Group on Energy Efficiency & Conservation

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## Primary objectives:

- Promote harmonized test procedures
- Support development of aligned energy efficiency standards and labels (S&L) in APEC economies
- Fund one or more projects each year over a 5 year period.

**Objective:** Identify projects that can be launched in early 2012 and will advance S&L development in APEC economies.

**Collaboration between EGEE&C and SEAD:**

- SEAD-funded APEC-CAST initiative
- Leverage technical expertise provided through the SEAD international technical collaborations

**Administrator:** The Collaborative Labeling and Appliance Standards Program (CLASP), as the SEAD Operating Agent.

# Current APEC CAST Projects

<b>SEAD-funded APEC CAST Project</b>	<b>APEC Economy Sponsor</b>	<b>Project Partners</b>
Study on harmonization of energy efficiency standards and labeling programs for <b>motors</b>	China National Institute of Standardization (China)	CNIS, CLASP, Econoler, International Copper Association
Evaluation and initial draft of harmonized test methods and level definitions for <b>heat pump water heaters</b>	Australia Department of Climate Change and Energy Efficiency (DCCEE)	DCCEE, CLASP, George Wilkenfeld and Associates, Korea Testing Laboratory, International Copper Association

## Project description:

- Identify current best practices in motor re-winding and
- Conduct market overview to compare best practices to existing practices used in APEC economies
- Conduct modeling and simulation to identify energy efficiency improvement potential of motor re-winding best practices
- Provide recommendations for the development of standards, highlighting the potential for energy savings through repair and preventative maintenance of installed motors

## Project schedule:

Timeline	Activity
September 2012	Project kick-off
December 2012	Draft report of motor repair best practices
January 2013	Draft market overview
August 2013	Final report

## Project description:

- Analyze existing regional, national, and international test methods, as well as test methods and standards in development
- Test 3 heat pump water heaters using 5 different test methods to compare strengths and weaknesses of each
- Recommend internationally-comparable test methods, standards, and efficiency level definitions

## Project schedule:

Timeline	Activity
October 2012	Project kick-off
February 2013	Technical analysis of existing test methods
February / March 2013	International consultation workshop (to be held with 41 <sup>st</sup> EGEE&C meeting)
February – June 2013	Testing and modeling and simulation
September 2013	Final report
November 2013	Report dissemination workshop (to be held with 42 <sup>nd</sup> EGEE&C meeting)



***Thank you!***

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