



**Asia-Pacific  
Economic Cooperation**

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**Summary of the Project: EWG 05-2009 - Capacity  
Development Workshop – Facilitation of  
International Harmonization of Standards for Energy  
Management in APEC**

Submitted by: China



**37<sup>th</sup> Expert Group on Energy Efficiency and  
Conservation Meeting  
Washington, D.C., United States  
28 February - 2 March 2011**



**Summary of the project: EWG 05 2009 Capacity  
development workshop – Facilitation of international  
harmonization of standards for energy management in  
APEC**

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**The objectives of the project**



- To set up a close network of industrial energy efficiency experts, energy management and standards experts, policy makers and regulators in APEC economics, and provide the effective platform to share the experiences, best practices and different ideas;
- To enhance the communication among the different APEC economics, update the MSE standards progress in APEC economics;
- To seek the opportunities of cooperation and harmonization of MSE standards.

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## The aims of the project



- To establish the network for the communication and cooperation among the relevant shareholders for MSE standards in APEC economies, so they can jointly promote the harmonization of MSE standards.
- Through the communication and discussion on international harmonization of MSE standards, successful experience and the best practices will be shared effectively, which will help the harmonization of MSE standard in the Region, shorten the development period, reduce development costs, and put the MSE standard into force earlier, to save energy, improve trading and protect the environment.

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## The beneficiaries of the project



- Those local governments, energy suppliers, traders, energy consumers, and other energy users who are interested in reducing energy consumption and improving energy efficiency in the Region become beneficiaries of this project.

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## The project outputs



➤ Through this project, any type and scale of the organizations within the APEC economies can jointly promote the development and implementation of MSE standards, and share successful experience and best practices of energy saving. Particularly, the relevant organizations can certify their own energy management level and thus obtain the recognition of other shareholders through the MSE standard implementation and eventually contribute to economy and trade development.

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## The project outputs



➤ An APEC supported international workshop on implementation and utilization of MSE was organized on Oct.15, 2010. Through this workshop, as a communication platform, the information of trends, status, and progress, etc, related to MSE standards in the worldwide was shared. This activity built a closed partnership network linked with related information recourses. It created a platform for information sharing, experiences learning, and technical assisting within the related organizations and experts.



## The project outputs



➤ There were over 150 participants attending the workshop and they are from different economies including **China, Thailand, Japan, US** and others out of APEC, like **Ireland, South Africa and UK**. The workshop divided into three sections, as “The best practice and implementation experience of MSE”, “The Construction, implementation, supervision and assessment mechanism of MSE”, and “Promotion of MSE application on the construction of Low-carbon city” respectively. The detail information could be found in the attached file.



## The project outputs



- A research report on MSE standard international comparison and promotion was completed.
- A database of MSE standard experts in the Region is establishing to provide technical support on the research, development, implementation, communication and harmonization of MSE standards.
- This report, Summary Comparison of Energy Management Standards, is a condensed version of a very detailed comparison that was developed by China National Institute of Standardization (CNIS).
- This document was prepared based on the existing 12 different EnMS standards from ISO and other different region and countries, and also based on the Dezhou workshop discussion. Through the comparison based on all important elements, the level of agreement of different standards is recommended and some of key findings are described in this report. This document is intended to highlight all the important differences of the EnMS standards from 8 countries. These 8 countries standards are not an exhaustive representation of EnMS national standards but do represent those that were most widely available at the time of this writing.

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## The project outputs



➤ This comparison also includes the ISO EnMS standard, ISO DIS 50001, the quality standard, ISO 9001:2000, the environmental standard, ISO 14001:2004, and the European standard, EN 16001. The contents of the report include:

1. Overview
2. Introduction
3. Methodology
4. Comparisons
  - 4.1 Scope and Definitions
  - 4.2 General requirements, documents and records
  - 4.3 Planning requirements
  - 4.4 Doing requirements
  - 4.5 Checking requirements
  - 4.6 Act requirements
5. Conclusions

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## Key findings



- There is quite similar pathway for all the economies to develop and implement the MSE standard, so it is necessary to develop MSE international standard and also the guideline for implementation of the program.
- An information exchange platform is indeed needed based on the feedback from all participants of the workshop.

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Thank you!

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