



Energy Related Projects in the Subcommittee on Standards and Conformance

Multi-Year Green Building Project

Project: The Role of Standards and Conformity Assessment Measures in Enhancing the Performance of the Commercial Building Sector

Four Focal Areas:

- 1) Use of building codes to enhance building performance
- 2) Building information modeling (BIM) to facilitate green building practices
- 3) Best practices in the testing and rating of products in the building envelope
- 4) Laboratory testing requirements as a non-tariff barrier for ceiling and flooring products

Workshop 1: Sharing Experiences in the Design and Implementation of Green Building Codes (March 2013, Peru)

- ❑ A joint APEC – ASEAN workshop , developed and implemented in collaborative partnership with Peru
- ❑ Informed by:
 - ❑ **Peru survey** - “Sharing Experiences in the Design and Implementation of Green Building Codes in the APEC Economies” *Status: complete*
 - ❑ **U.S. study** – “Building Codes and Green Codes in the APEC Economies” *Status: complete, published August 2013*
- ❑ Sharing of information, experiences, and best practices among APEC and ASEAN economies

Workshop 2

How Building Information Modeling (BIM) Standards Can Improve Building Performance June 2013 in Indonesia

- Joint APEC-ASEAN event
- Diverse presentations by Member Economies and expert BIM professionals to highlight:
 - Current status of BIM standards development
 - Benefits of BIM to policymakers, architects and designers, construction industry actors, building owners, and others
 - Case study success stories showing the practical implementation of BIM projects
 - Concrete steps that can be taken by economies to increase BIM usage toward improving building performance

Resources from M CTI 02 12A

- Peru Green Codes Workshop meeting documents
<http://mddb.apec.org/Pages/search.aspx?setting=ListMeetingGroup&DateRange=2013/03/01%2C2013/03/end&Name=Workshop%20on%20Sharing%20Experience%20in%20the%20Design%20and%20Implementation%20of%20Green%20Building%20Codes%202013&APECGroup=%22Sub-Committee%20on%20Standards%20and%20Conformance%20%28SCSC%29%22>
- APEC Building Codes, Regulations, and Standards- Minimum, Mandatory, and Green, has been published on the APEC web site and can be found at the link below.
- http://publications.apec.org/publication-detail.php?pub_id=1442
- Building Information Modeling meeting documents
<http://mddb.apec.org/Pages/search.aspx?setting=ListMeeting&DateRange=2013/06/01%2C2013/06/end&Name=Joint%20APEC-ASEAN%20Workshop%20-%20How%20Building%20Information%20Modeling%20Standards%20Can%20Improve%20Building%20Performance%202013>

Plans for 2014

- Two additional green building workshops
- China interested in green technologies focus at SOM 3
- New Informational and Communications Technology (ICT) Energy Efficiency Project
- Additional work on solar/smart grid anticipated in 2015
- CTI ARCAM work on electric vehicle standards

- EWG and EGEE&C members encouraged to attend SCSC events

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