



**Asia-Pacific
Economic Cooperation**



**APEC SCSC Workshop on
Regulatory Approaches to Smart Grid Investment/Deployment
May 16-17, 2012
Quebec City, Canada
Quebec City Convention Centre ** Room 301AB
Agenda**

The scope of the workshop is regulatory considerations for Smart Grid investments and deployments including standardization.

Some presentations are linked from the presenter's name.

Wednesday, May 16, 2012

1:00pm - 2:00pm **Registration**

Refreshments sponsored by the IEEE

2:00pm - 2:10pm **Welcome and Introduction**

*Dr. George ARNOLD, National Coordinator for Smart Grid Interoperability,
National Institute of Standards and Technology, United States*

APEC Overview

*[Ms. Jennifer STRADTMAN](#), Director, Technical Barriers to Trade, Office of
the U.S. Trade Representative and U.S. Representative to the APEC
Subcommittee on Standards and Conformance , United States*

2:10pm-2:40pm **Goals of the Workshop**

*[Mr. Paul CENTOLELLA](#), Former Commissioner of Public Utilities of Ohio,
United States*

This session will provide an overview of the rationale for the workshop including goals and objectives. The workshop will focus on key issues for regulators in Smart Grid investments and deployments such as interoperability, international standardization, cybersecurity, and data privacy. The outcome of this workshop is to improve awareness among regulators about current international coordination efforts and the benefits of harmonization. A broader objective of the workshop is to improve communication between regulators and the standardization community.

2:40pm – 3:00pm

Keynote Address

Ms. Lise DUQUETTE, Chair, Canada's Energy and Utility Regulators

3:00pm – 4:30pm

Panel Session 1: Interoperability Standards and the Role of Energy Regulators

This session will explore the benefits of interoperability standards such as reducing costs and opening up for more vendors and the role of energy regulators' role in achieving these objectives. It will also include a discussion on what regulators should expect from utilities' Smart Grid implementation and deployment plans.

Moderator: Ms. Colette HONORABLE, Chairman, Arkansas Public Service Commission, United States

[Mr. John CASKEY](#), Vice-Chair, Smart Grid Interoperability Panel, Vice President, NEMA, United States

[Mr. Sunny RAI](#), Regional Vice President, Renewables and Smart Grid, Intertek

[Mr. John O'NEILL](#), CSA Group, Canada

4:30pm – 4:45pm

Coffee Break ** Sponsored by Intertek

4:45pm –6:00pm

Panel Session 2: International Standards Development

This session will examine the value proposition of international standards development. It will include a discussion of the value on standards and the benefits of international harmonization. In addition, the session will explore the topics on why and how regulators could participate in standards development and how they could make their needs known to

standards developer. Further, it will include a discussion on how regulators can learn about available standards and standards development activities currently underway.

Moderator: Dr. George ARNOLD, National Coordinator for Smart Grid Interoperability, National Institute of Standards and Technology, United States

[Mr. Koichi NODA](#), Director, Technical Regulation, Standards, and Conformity Assessment Policy Division, METI, Japan

[Mr. Jacques REGIS](#), Past President, International Electrotechnical Commission

[Dr. W. Charlton ADAMS, Jr.](#) (Chuck), Past President - IEEE Standards Association

6:30pm **Evening Reception sponsored by Intertek**

Thursday, May 17, 2012

9:00am – 9:10am **Review of Day 1 Discussions**

9:10am – 9:40am **Keynote 2:** *Mr. David WRIGHT, President, National Association of Regulatory Utility Commissioners*

9:40am – 11:00am **Panel Session 3: Lessons Learned from Smart Grid Projects**

This session will look at the approaches and outcomes from some of the Smart Grid projects in different economies that are underway or completed. These case studies can provide great insights on what regulators can take away from these implementations and deployments. In addition, it would be useful for regulators to learn about the challenges in applying and using standards to support Smart Grid deployments and how these challenges can be or have been successfully overcome.

Moderator: [Mr. Joseph PALADINO](#), Senior Advisor, Office of Electricity Delivery and Energy, U.S. Department of Energy, United States

[Mr. Sunqbong CHANG](#), Director, Smart Green Business Office, R&D Lab, Korea Telecom (KT), Korea

Mr. Peter FRASER, Managing Director, Regulatory Policy, Ontario Energy Board, Canada

11:00am – 11:15am Coffee Break ** Sponsored by the CSA Group

11:15am – 12:30pm **Panel Session 4: Cybersecurity**

This session will examine issues related to securing the grid. Discussion topics include the evolving threat landscape and best practices for risk mitigation in the electric sector.

Moderator: **Mr. Ken MODESTE**, Security and Global Communications, Underwriters Laboratories, United States

Mr. Rodney HOWES, Portfolio Manager and CoP leader e-Security, Centre for Security Science, Research and Development, Canada

Mr. James ST. PIERRE, Deputy Director, Information Technology Laboratory, National Institute of Standards and Technology, United States

12:30pm – 2:00pm **Lunch with Keynote Address**

Professor Ja-Yoon KOO, Chair, Korea Electricity Commission

Luncheon sponsored by Underwriters Laboratories

2:00pm – 3:30pm **Panel Session 5: Consumer Data Access and Privacy**

This session will discuss privacy related to consumer access to energy usage data. Discussion topics include third party data access and who may have the rights to the data. It will also showcase an example of an initiative, the Green Button (NAESB) implementation in the USA, which provides consumer access to usage data.

Moderator: Ms. Janine MIGDEN-OSTRANDER, Principal, Regulatory Assistance Project

Dr. David WOLLMAN, National Institute of Standards and Technology, United States

[Ms. Ruth YODAIKEN](#), Staff Attorney, Federal Trade Commission, United States

[Ms. Janine MIGDEN-OSTRANDER](#), Principal, Regulatory Assistance Project

3:30pm – 3:45pm Coffee Break

Sponsored by the CSA Group

3:45pm – 4:45pm **Panel Session 6: Economies' Vision for the 21st Century Grid**

This session will explore how economies are upgrading and building the electric infrastructure to support the 21st century grid. This would provide useful insights on how different countries are approaching grid modernization including their frameworks and architectural approaches.

Moderator: Mr. Paul CENTOLELLA, Former Commissioner of Public Utilities of Ohio, United States

[Ms. Mylene C. CAPONGCOL](#), Director IV, Electric Power Industry, Management Bureau, Department of Energy, The Philippines

[Mr. Tatsuya SHINKAWA](#), chief representative, New Energy and Industrial Technology Development Organization (NEDO)

[Mr. Juan Carlos MARTINA](#), Professional, Security Division and Electricity Market, Ministry of Energy, Chile

4:45pm – 5:15pm **Summary of Conference Outcomes and Adjourn**

Dr. George ARNOLD, National Coordinator for Smart Grid Interoperability, National Institute of Standards and Technology, United States

Mr. Paul CENTOLELLA, Former Commissioner of Public Utilities of Ohio, United States