

ANSI – ESO Conference

Transatlantic Standardization
Partnerships on E-Mobility/Electric
Vehicles, Energy, and Security

October 12, 2011











Smart Grid

Presented by

Dr.Ralph Sporer Chairman SG-CG

ANSI – ESO Conference: Transatlantic Standardization Partnerships on E-Mobility/Electric Vehicles, Energy, and Security

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Overview

- Smart Grid
 - European Mandate M/490
 - European Standardization Activities
 SG-CG Smart Grid Co-ordination Group
 - International Collaboration EU-US Whitepaper









European Mandate M/490

- Goal
 - Set of consistent standards
 - Support implementation
- Deliverables
 - Reference Architecture
 - Sustainable Processes
 - First Set of Standards
- □ Time Frame
 - Starting Date 01.05.2011
 - "Umbrella" mandate end 2012











European Standardization Activities Smart Grid Co-ordination Group

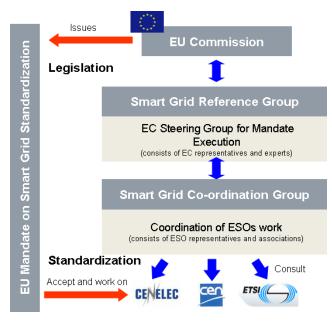
Joint Work, Group

17.03.11

- Organization
 - Successor of JWG (Mai 2010-June 2011)
- **JWG** Report Mandate 490 SG-CG **Status** Transistion Mandate Period Execution Report 31.05.10 30.03.11 01.10.10 01.07.10 07.10.11 17.02.12 ??.12 31.12.12 Plenary Plenary Deadline Kickoff Plenary Kickoff Plenary Plenary

01.06.11

- established July 2011
- Participation
 - Approx. 50 EU associations (representing all interested stakeholder)
- Main Task
 - Coordinate Mandate Execution
 - International collaboration



Smart Grid Co-ordination Group









International Collaboration



JISC Meeting, Tokyo, Nov.2010

- Formal agreements
 - IEC
 - **—** ISO
 - ITU-T, 3GPP
- Observers
 - NIST
 - JISC
- US-EU Collaboration

- Whitepaper of NIST and SG-CG on standardization of Smart Grids
- Whitepaper on standardization of Smart Grids

published by

NIST &

Smart Grid Co-ordination Group

Status: third draft v3.0.

Whitepaper NIST & SG-CG Sept. 2011

- White Paper published 12.09 at Grid Week
- CEN: http://www.cen.eu/cen/News/PressReleases/Pages/SmartGridStandardsDevelopment.aspx
- CENELEC: http://www.cenelec.eu/pls/apex/f?p=WEB:NEWSBODY:1948780659821220::NO::P300_NEWS_ID:65









International Collaboration **EU-US Whitepaper**

- Common Goals
 - Strive for global solutions
 where appropriate within the constraints of our policy objectives
 - Don't reinvent the wheel
 - Flexible standards framework
 - Common conceptual model
 - System level top down approach
 - Organization and processes for standardization
 - Synchronization of work

CEN – European Committee for Standardization
CENELEC – European Committee for Electrotechnical Standardization



Press Release

Washington D.C., 12 September 2011

Joint transatlantic collaboration on Smart Grid Standards Development

Today, the National Institute of Standards and Technology (NIST) and the 'CEN CENELEC ETSI' Smart Grid – Coordination Group (SG-CG) jointly announced their intention to work together on Smart Grid standards, emphasizing common goals and areas of focus.



- Key messages
- Architecture
- Priorities
- Information exchange









Thank you for your attention

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