

Presentation of Industry Response/Ideas: *Commitments and Progress*

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CDA Activities and Progress

- Commitments and actions
- Progress
- Opportunities regarding principles

Commitments and Actions

- Support and promotion of CDA Design & Policy Principles for Energy Efficient Connected Devices published October 2016
- Connected Efficiency Award created to “recognize the most energy efficient communications protocols”; winners announced November 2017
- Center of Excellence established online with over 70 publications covering edge devices, networking equipment, and intelligent efficiency
- Promotion of CDA activity at conferences and before policymakers

Progress

- Initiatives focused on networking devices
 - Voluntary Agreement for Ongoing Improvement to the Energy Efficiency of Small Network Equipment; launched 2015 in USA, renewed 2018
- Development of standards relevant to device and equipment connectivity, data reporting and energy management
 - *ANSI/CTA-2047: Consumer Electronic Energy Usage Information (CEEUI)*
 - *ANSI/CTA-2045-A: Modular Communications Interface (MCI) for Energy Management*
- ENERGY STAR program for Smart Home Energy Management Systems (SHEMS) now in development
- Quantification of energy savings potential of connected devices and equipment
 - *Energy Savings from Five Home Automation Technologies* (Fraunhofer, April 2016)
 - *Energy Impacts of Smart Home Technologies* (ACEEE, April 2018)

Opportunities

- Adherence to and efficacy of the CDA Principles
 - CTA solicited a proposal, presented and discussed at an earlier CDA workshop, to assess the marketplace impact of the CDA Principles related to product design
 - Staged approach, would focus on three products in different sectors
 - Cost and timeline considerations
 - Regarding the policy-related principles, how can we assess their impact or reflection in regions around the world?
- Refining the CDA Principles