



LEADING INNOVATION



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IEA/4E/SEAD/DECC
Workshop on the G20
ENERGY EFFICIENCY
ACTION PLAN:
Networked Devices
20 January 2015 – Paris

*Potential areas for
government/industry
collaboration*



CEA[®]
Consumer Electronics Association

PRODUCER OF



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Ideas & Opportunities

- Guiding principles for industry
- Voluntary initiative for small network equipment
- Inter-device power control for audio/video products

And more...

Industry Guiding Principles

- Guiding Principles for Energy Efficiency in Networked Consumer Electronics (2012)



Industry Guiding Principles

- Possibilities:
 - Review and revalidate principles
 - Expand support
 - Assess impact

Small Network Equipment

- SNE Voluntary Agreement
 - Modeled on Set-top Box VA
 - Covers residential SNE
 - Coverage to include service providers and retail suppliers
 - Runs 2015-2017 (synchronized with STB VA)

Inter-device Power Control

- CEA's R07 WG16 Audio/Video Inter-Device Power Control Working Group
 - Scope: Investigate management of A/V device power states and content streams to improve energy efficiency in local networks. Investigation may lead to technical reports, bulletins, or standards.
 - Participants: Manufacturers, service providers, content providers, component suppliers, government consultants

Inter-device Power Control

- Current Project: CEA-TR-5 – Audio/Video Inter-Device Power Control Coordination – Technical Report

Scope:

- Document current state of technologies and products
- Opportunities for power savings
- Industry concerns about interoperability and consumer satisfaction

Inter-device Power Control

– Technical Report, *continued*:

- Identify needed capabilities that could be added to existing protocols, or any future protocols developed, to implement the automatic management of audio/video device power states and content streams
- Report will only address communication in local networks
- Initiated December 2013, expected completion April 2015

Research & Analysis

- CEA-commissioned studies of energy use of consumer electronics in the home (U.S.): 2006, 2010, 2013
- New study on energy-saving benefits of teleworking and e-commerce
- Opportunities for more in 2015



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