



Turning Information into Action

Consumer Electronics Program Center

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Agenda

- ◀ Welcome and introductions
- ◀ Recent consumer electronics developments
- ◀ Discussion
- ◀ Wrap up

Session Objectives

- ▶ Share information on recent developments
- ▶ Discuss how that information might be used--through the Consumer Electronics Program Center and other means--to spur new programs and approaches

Fraunhofer Report to CEA

- ▶ Update of 2007 TIAX report
- ▶ Annual electricity consumption increased from 12% to 13.2% of residential electricity consumption
- ▶ Study focused on 17 priority products with preliminary estimates for 17 others
- ▶ Methodology included use of phone surveys, data from various studies, and field and targeted measurement

Consumption by Mode and Unit Energy Consumption

<http://www.ce.org/PDF/Energy-Consumption-of-CE-inUSHomes-2010.pdf>

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Product-Specific Analyses

▶ Installed base

- Number of units per home
- Household penetration

▶ Unit energy consumption

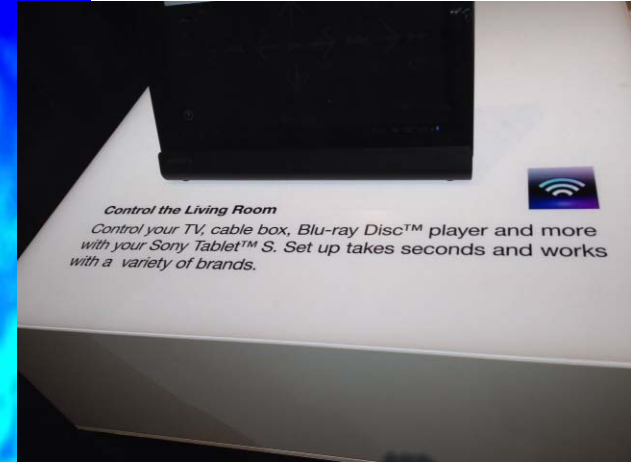
- Power draw
- Usage
- By modes

▶ Other market, technical and trend information

CES Highlights

- ▶ Connected and “smart”
- ▶ Efficiency gains potentially offset by additive devices and/or increased use
- ▶ TVs still a big focus
 - 3D, higher resolutions, OLED, bigger, internet connected, more efficient

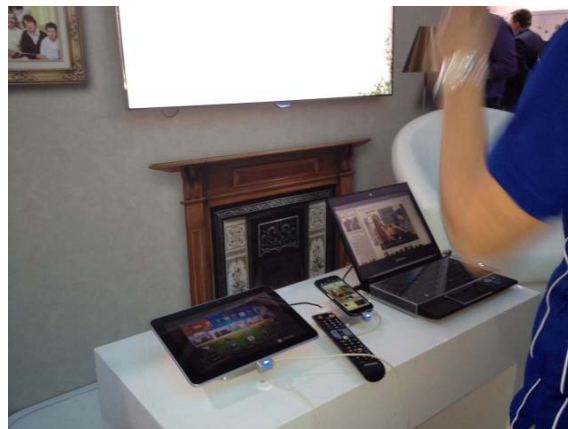
Connected Electronic Devices



Competing Trends?



What are the Implications?



ENERGY STAR Spec Overview

2011/ 2012	Audio/Visual	Battery Chargers	Computer	Displays	Imaging	TVs	Telephony	
July	Launched April 2011	Draft May 2011	Launched February 2011	Launched December 2010	Launched March 2011	Launched April 2011		
Aug	Drafts (June 2011)	Test Procedure Development	Data (April 2011)	Drafts	Drafts (May 2011)	Drafts (June 2011)		
Sept	↓		Drafts	↓	↓	↓	Launch	
Oct	Final						Final	Final
Nov		Drafts	Final				Data	
Dec		↓					Final	↓
Jan								
Feb								
Mar				Final				Drafts
Apr							↓	
May		Final					↓	
Jun							Final (July 2012)	

From ENERGY STAR presentation in Charlotte (Nov. 2011)

Other Developments

- ▶ DOE rulemaking on set-top boxes and network equipment
- ▶ Completion of first evaluations of midstream television programs
- ▶ Cable industry initiative to improve STB efficiency
- ▶ Other?

Discussion

- ▶ How can this information (and other that develops) be put to use to support program planning, implementation and evaluation?
 - Locally
 - Working together at CEE

Contact

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