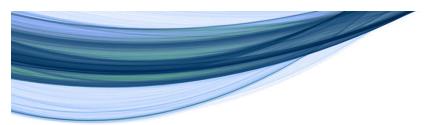
#### **Cable Industry Energy Initiative**

Oct. 30<sup>th</sup>, 2012



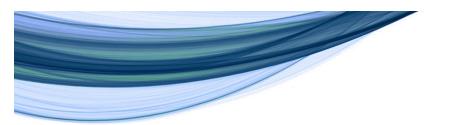




## **Cable Industry Energy Initiative**

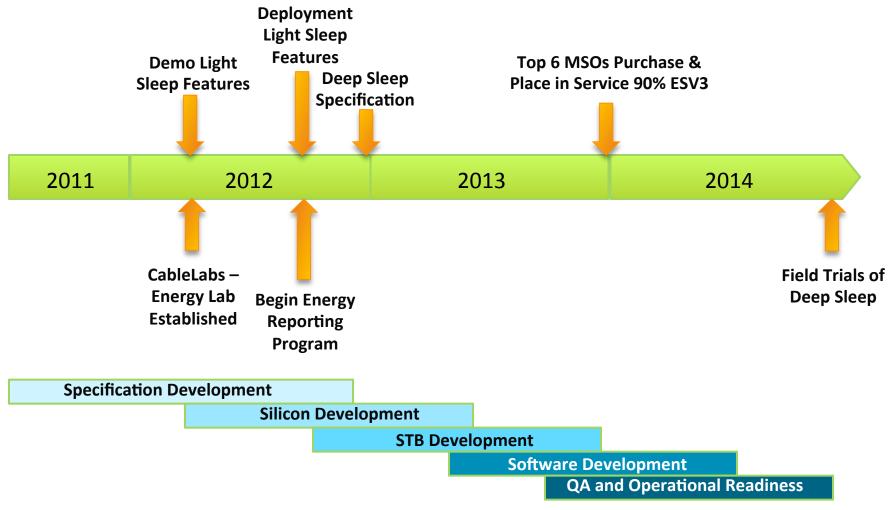
Cable abs

- CableLabs® Energy Lab
- "Light sleep" capabilities for new set-top boxes would preserve functionality
  - o e.g., spinning down disk
- "Deep Sleep" requires generational change in silicon
  - Would turn off portions of set-top box, but retain network connectivity
  - Will need cooperation of chip, guide, software, hardware, conditional access & security parties for this change
- Six largest cable operators will buy at least 90% ESv3 set-tops by Q4 2013
  - Serve ~ 85 % of U.S. cable customers





#### **Overall Timeline**

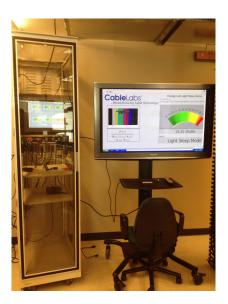


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### **CableLabs – Energy Lab – Testing**

- As new cable technologies advance and are deployed, a sensitivity to energy consumption requires ongoing capabilities to evaluate new features and design.
  - Fully functional power test laboratory capable of measuring and evaluating new power saving features.
  - Laboratory available to member, manufacturers and other energy industry advocates





**Cable**Labs<sup>®</sup>

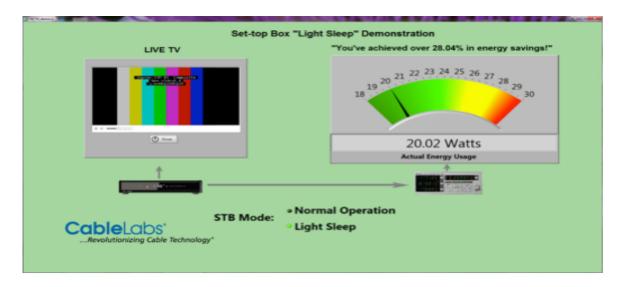




# **Light Sleep Deployments Update**

**Cable**Labs<sup>®</sup>

- Light-sleep demo in March 2012
  - Live demo's currently at CCTA, NCTA and CableLabs
- Current status of light-sleep deployment
  - Anticipate more than 10 million set-top boxes in light sleep operation by the end of 2012



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### What's Next

- Initial specification changes to achieve greater levels of energy efficiency in next-gen STBs by December
- Begin investigations on other CPE in 2013.
- Establish reporting program
- MSOs are already purchasing some ESv3 set-tops and plan to ramp this to 90% by YE 2013.
- Continued alignment with SCTE and it's Smart Energy Management Initiative (SEMI) program