

# Summary of Workshop on “The Path to Global Harmonisation”

## 4 Presentations + Discussion

- **Presentations from a manufacturer, environmental citizen group, an energy efficiency expert and the leader of a project to overcome the barriers to standards and labeling on a regional basis (China managing)**
- **Identified 5 key areas to tackle – prototype for global?**
- **Lighting example showed can be done but continuing arguments about capacity constraints**

# What's Needed Globally? A Consistent Philosophy of Efficiency

- **Agree long term goals**
- **Get there in 5-10 years**
- **Efficiency community began developing this at ACEEE Summer Study in 2006 for consumer electronics**
- **7 key elements**

# The 7 key elements

1. Products should convert power efficiently
2. Products should store and retrieve energy efficiently
3. Products should closely match their power consumption to the level of service or function being performed

# 7 steps continued

4. Devices should clearly and consistently communicate their operating state to users and other devices to which they are networked
5. Products should be shipped with power-saving features enabled as the default
6. Manufacturers should test the power use of their products in their dominant modes of operation according to standard test procedures and disclose that information publicly
7. Product capability or performance should never be marketed or promoted by the manufacturer or retailer in terms of power consumed



# ECOS suggestions for the Workshop

- **Key issues in MEPS policies: up to the challenge, transparency, impartiality of data, coherence between policies, market surveillance, dynamism, exemplarity**
- **Before ‘going global’ on product groups, setting clear rules and processes: no simple lowest common denominator – sound evaluation & comparison**
- **Scope should include developing countries**
- **Four critical aspects to harmonise: measurement methods, exemptions, penalties, general goals – *more national flexibility could be provided on timeline (stages) and accompanying measures (local rules, fiscal...)***

# Examples 'general goals'

- **Lighting**: only A-rated products (CFLs, LEDs)
- **Heating**: only efficient renewable-assisted boilers/heaters and heat pumps
- **Standby**: maximum 0.5 W for all products
- **White goods**: least-life cycle cost for consumer with CO<sub>2</sub>
- **TVs**: 50% improvement
- **Motors**: premium only

# Vision for the Future

- **All external and internal power supplies are highly efficient and properly sized**
- **All electronic devices scale power use closely with work load**
- **Improved smart plug strips control legacy loads and new products imbed that capability**
- **One highly efficient computer remains on continuously (low idle power) to download and display content, monitor status of other devices, and control them**
- **Separate set top boxes, DVRs, DVD recorders, game consoles, and video players mostly displaced by simpler, highly capable computers**