

ENERGY STAR® Product Road-Mapping Workshop

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TRACK 1: ENERGY STAR Product Specifications

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Track 1 Report Out

Topics for Discussion

1. Consumer data (usage and behavior)
2. Best way for EPA to stay abreast of technology shifts during and between specification updates
3. Harmonization – international and other environmental efforts
4. How will the ENERGY STAR program evolve and be forward looking/relevant in context of systems-based approaches
5. Additional benefits – environmental aspects of the specifications
6. Testing and verification

Next Steps

1. Consumer data (usage and behavior)
 - Work to identify reliable sources (both quantitative and qualitative) for each type of data (consumer usage and demands) and consider how we might engage with these sources to bring them into the process
 - Need different approaches for consumers and enterprise users; have two groups – data center vs. non data center users
 - How do we get data center users involved in spec process?
 - How do we get data on consumer use of products?
 - Consider incorporating consumer data in data assembly process when updating specifications

Next Steps

2. Keeping up to date on technology advancements
 - Expand on sunset guidelines in the guiding principles to incorporate lessons learned (EPA)
 - Develop general principles to guide when TEC used vs. adders vs. a different method (EPA)
 - EPA and stakeholders meet annually or semi-annually to discuss emerging technologies as they pertain to upcoming specification revisions and the specification revision timeline
 - Meet more as needed
 - Meeting via webinars acceptable
 - Develop a process for addressing products with new technology outside of a spec development process (i.e. high performance display)
 - Stakeholders provide standard definition of new product and why it should not be considered in scope for a current specification
 - EPA to explicitly note whether this new product is in or out of scope
 - If product is out of scope, EPA work with stakeholders to assemble dataset so product can be included in next version of specification

Next Steps

3. Harmonization – international and other environmental efforts
 - Explain deviations from international standards
 - Consider avoiding referencing standards/benchmarks still in development
 - Manufacturers would prefer to have ENERGY STAR test methods serve as international default standard
 - EPA consider being more proactive in international harmonization
 - Industry provide guidance on communication channels

Next Steps

4. Systems efficiency

- Incentivize the adoption of standards encouraging system efficiency
- Discuss ways to get products to function in the most efficient way out-of-the-box and as part of the system
- Coordinate with efforts of Track 2 (ICT-Enabled Intelligent Efficiency Solutions and ENERGY STAR)

Workgroup Prioritization

- End user data
 - Data center products
 - Non-data center products
- Product work groups
 - EPA come back with recommendation of product priorities
 - Group will reconvene to agree on EPA priorities
 - Target August 2012 for follow up conference call

Back-up

F2F Discussion slides

Track 1: Energy Star Product Specifications

- **Scope:** ICT products (Current: Computers, Imaging, Displays, Servers, UPS; Upcoming: Storage, Small networking, Large networking, Data center cooling)
- **Purpose:** Brainstorming dialogue regarding the future of Energy Star for ICT products and ICT enabled solutions
- **Desired outcome:** Articulate through several meetings and discussions, ICT product evolution and impact on Energy Star Spec process
- **Framing Discussion:** How can we best ensure that over the next 3 – 5 years, the ENERGY STAR program stays up to date on market changes: new and waning technology for current products; potential for future products; test procedure advancements and global harmonization opportunities.

Key Framing Questions

- What changes are expected from ICT product market for next 3-5 years?
 - What new products/features are anticipated?
 - What are emerging and waning trends?
 - What are the energy considerations of the new products/features?
 - What will be the new opportunities for product efficiency?
 - How does this impact the role of ENERGY STAR?
- Are there any current ENERGY STAR ICT product categories where sun-setting may be appropriate?
- EPA remains interested in protecting the ENERGY STAR label against any association with undesirable products. With this in mind, are there any steps the Agency should consider taking specific to ENERGY STAR ICT specifications?
- What, if any, additional role could the ENERGY STAR program play in furthering global harmonization?

Breakout Session Plans

- Introductions/Participant objectives
- Track 1 focus:
 1. ICT Products evolution (3-5 year horizon)
 2. Creating Energy Star Program Linkages
- Breakout session goals:
 - Brainstorm and agree on the process to create linkages between ICT products evolution and Energy Star program
 - Agree on priority specs and identify pathways and timing for ICT stakeholders to offer expert feedback on market and product evolution.
 - Discuss opportunities & constraints
- Report-out on Track 1 plans and next steps