

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



OFFICE OF
AIR AND RADIATION

January 14, 2008

Dear Set-top Box Stakeholder:

EPA welcomes your input on the **Draft 3 ENERGY STAR® Program Requirements for Service Providers and Manufacturers of Set-top Boxes**. Three documents are included for your review:

1. The Version 1.0 ENERGY STAR Program Requirements for Cable, Satellite, and Telecom Service Providers. Draft 3 of this document includes a number of modifications to the service provider commitments put forth in Draft 2, including:
 - Three purchase and deployment requirement periods that align with the calendar year. Service Providers may join ENERGY STAR upon publication of the final specification in December, 2008 and commit to meet the ENERGY STAR purchase and deployment requirements in the coming calendar year;
 - Clarification that refurbished devices (legacy boxes) can be included in a Service Provider's count of ENERGY STAR qualified boxes deployed;
 - Clarification regarding responsibility for labeling requirements;
 - Refined requirements for consumer education, including a new requirement to arrange for the training of contractors doing installations; and
 - Clarification on requirements for addressing products that meet ENERGY STAR via auto power down.

2. The Version 2.0 ENERGY STAR Program Requirements for Set-top Boxes, which outline the partner commitments for manufacturers and technical requirements for assessing the energy efficiency of boxes across a calculated duty cycle. Draft 3 includes the following changes from Draft 2:
 - Clarified product labeling guidelines, which distinguish requirements for boxes sold to consumers directly from those for boxes sold to service providers;
 - Definitions for and use of the term "Sleep," rather than "Standby;"
 - Added energy allowances for IP boxes;
 - Added definitions and energy allowances for multi-room boxes and networking;
 - Clarification that products addressed by other specifications (DVD players) are not covered under the set-top box specification;
 - Removal of electronic program guide and system update requirements; and

- A modification of effective dates to December 15, 2008 for Tier 1 and to December 15, 2010 for Tier 2.

Changes to proposed levels reflected in this Draft 3 specification are highlighted below to simplify review.

Tier 1

	<i>(in kWh per year)</i>	
	ENERGY STAR Draft 2	ENERGY STAR Draft 3
Base Cable	70	No Change
Base Satellite	88	No Change
Base IPTV	TBD	45
Base Terrestrial	27	No Change
Thin-Client/Remote	NA	27
Add Tuners	53	No Change
Add Tuners - Terrestrial/IP	14	No Change
Adv Video Process	18	No Change
DVR	83	60
High Def	35	No Change
Remov Media Play	12	No Change
Remov Media Rec	23	No Change
Gateway	TBD	44
Cable Card	TBD	15

Tier 2

	<i>(in kWh per year)</i>	
	E* Draft 2	E* Draft 3
Base Cable	42	50
Base Satellite	44	56
Base IPTV	TBD	36
Base Terrestrial	22	No Change
Thin-Client/Remote	TBD	22
Add Tuners	8	16
Add Tuners - Terrestrial/IP	8	No Change
Adv Video Process	7	12
DVR	32	No Change
High Def	12	No Change
Remov Media Play	6	8
Remov Media Rec	6	10
Gateway	TBD	25
Cable Card	TBD	TBD

3. Draft 2 ENERGY STAR Set-top Box Specifications Comment Summary. This document compiles the feedback stakeholders provided on the Draft 2 specifications and notes EPA's response to each comment.

All manufacturers, service providers, and other interested parties are encouraged to review the Draft 3 ENERGY STAR specifications for service providers and set-top boxes and provide comments by **February 11, 2008**. Please send comments via e-mail to Darcy Martinez, ICF International, at dmartinez@icfi.com. On **February 1, 2008, EPA will hold a stakeholder meeting in Washington, DC to discuss these Draft 3 specifications**. Comments received prior to the meeting would be greatly appreciated and will make more productive the February 1 meeting. All comments received will be posted to the ENERGY STAR Product Development Web site, unless the submitter specifically requests that their comments remain confidential.

Additional meeting details are provided below, and a draft agenda will be forthcoming shortly. Please note, a conference line will be provided for those stakeholders who cannot attend the meeting in person.

STB Meeting Date & Time

Friday, February 1, 2008 from 9:30 a.m. – 4:30 p.m. Eastern Time.

Registration

Please contact Darcy Martinez, dmartinez@icfi.com if you wish to attend the meeting.

Location

ICF International – Concourse Level Conference Room
1725 Eye Street, NW
Washington, DC 20006

Conference Call Information:

U.S. Call-in Number: 866-299-3188
International Call-in Number: 706-758-1822#
Pass code (U.S. and int'l): 202-343-9120#

Following the analysis of stakeholder feedback received at the upcoming meeting as well as through written comments, EPA plans to distribute the Draft Final specifications in late February and the Final specifications in late March. EPA expects these ENERGY STAR STB specifications to go into effect December 15, 2008.

As a reminder, stakeholders who anticipate needing the CSA C380-06 standard to evaluate the Draft 3 ENERGY STAR specifications should contact Darcy Martinez, ICF International, via e-mail at dmartinez@icfi.com to request access to the standard.

The exchange of ideas and information between EPA, industry, and other interested parties is critical to the success of ENERGY STAR. To track EPA's progress in revising the ENERGY STAR STB products specification and to review comments, please visit the Product Development Web site at www.energystar.gov/productdevelopment and click on "Revisions to Existing Specifications."

Thank you for taking the time to review these Draft 3 specifications. Please feel free to contact me directly with any questions or concerns at (202) 343-9120 or via e-mail at kaplan.katharine@epa.gov.

Best Regards and Happy New Year,



Katharine Kaplan, EPA Product Manager
ENERGY STAR for Consumer Electronics

Enclosures:

- ENERGY STAR Program Requirements for Set-top Boxes, DRAFT 3 – Version 2.0
- ENERGY STAR Program Requirements for Cable, Satellite, and Telecom Service Providers, Partner Commitments, DRAFT 3 – Version 1.0
- Draft 2 ENERGY STAR STB Specifications Comment Summary