



ENERGY STAR Imaging Meeting

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# Goals for New Specifications



- More Energy Savings
- Consistency in terms, product categories, etc.
- Simplicity
- Reflect changes in market structure for imaging products

# Section I of ITI's Proposal: Areas for Further Consideration



- Date of Announce versus Date of Manufacture
- Operational Modes Table (Best/Only Way to Define Modes?)
- Plug-in Off versus Off or Standby Terminology
- Recovery Time
- Allowance for Intervention and Temporary Suspension Clarifications (H1 and H2)
- Product Definitions, particularly Network Scanners and Printer/Fax Combos
- Claimed Speed (Consider a Standard Test Page?)
- Additional Product Categories, such as Digital Duplicators

# Section III of ITI's Proposal: Areas for Further Consideration



- Other Approaches to the Specification
  - Imaging engine types
  - Avg. energy consumption during a specified time period
- Differences between Proposal and FEMP Levels
  - Printers is only area of consistency
  - Rationale behind Note 3
- Estimated Energy Savings from this Proposal
- Technical Feasibility
- Product Performance / Functionality
- Shelf Life of Specifications
- Inputs for Proposed Levels (Latest Models Tested?)



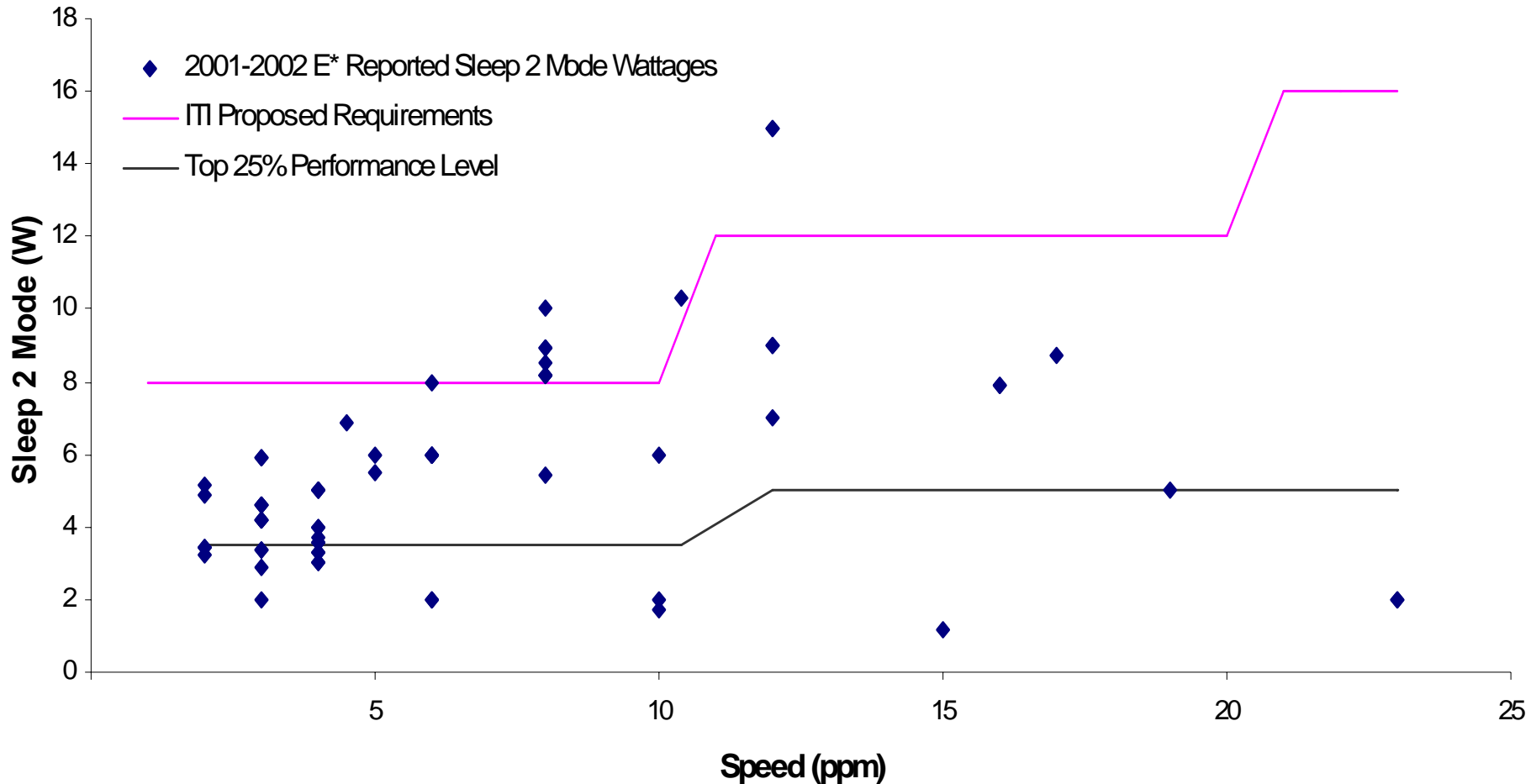
# ENERGY STAR Philosophy

- Is ITI's Proposal consistent with the top 25% philosophy?
- EPA is in the process of analyzing this based on existing data and new test data expected later this month
- For example...

# Faxes: Comparison of ITI Proposal and ENERGY STAR Data



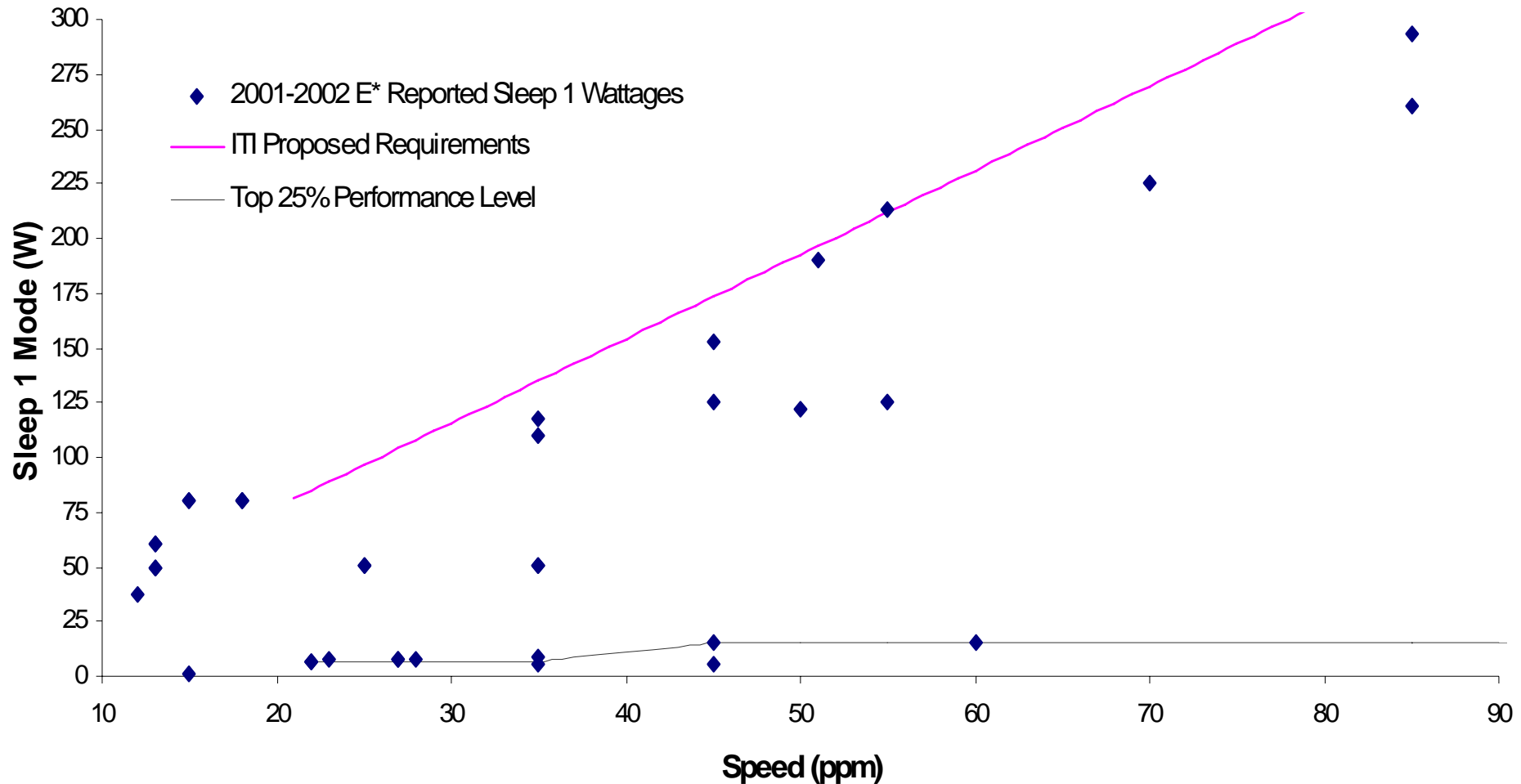
## Sleep 2 Mode v. Speed for Fax Machines



# Copiers: Comparison of ITI Proposal and ENERGY STAR Data



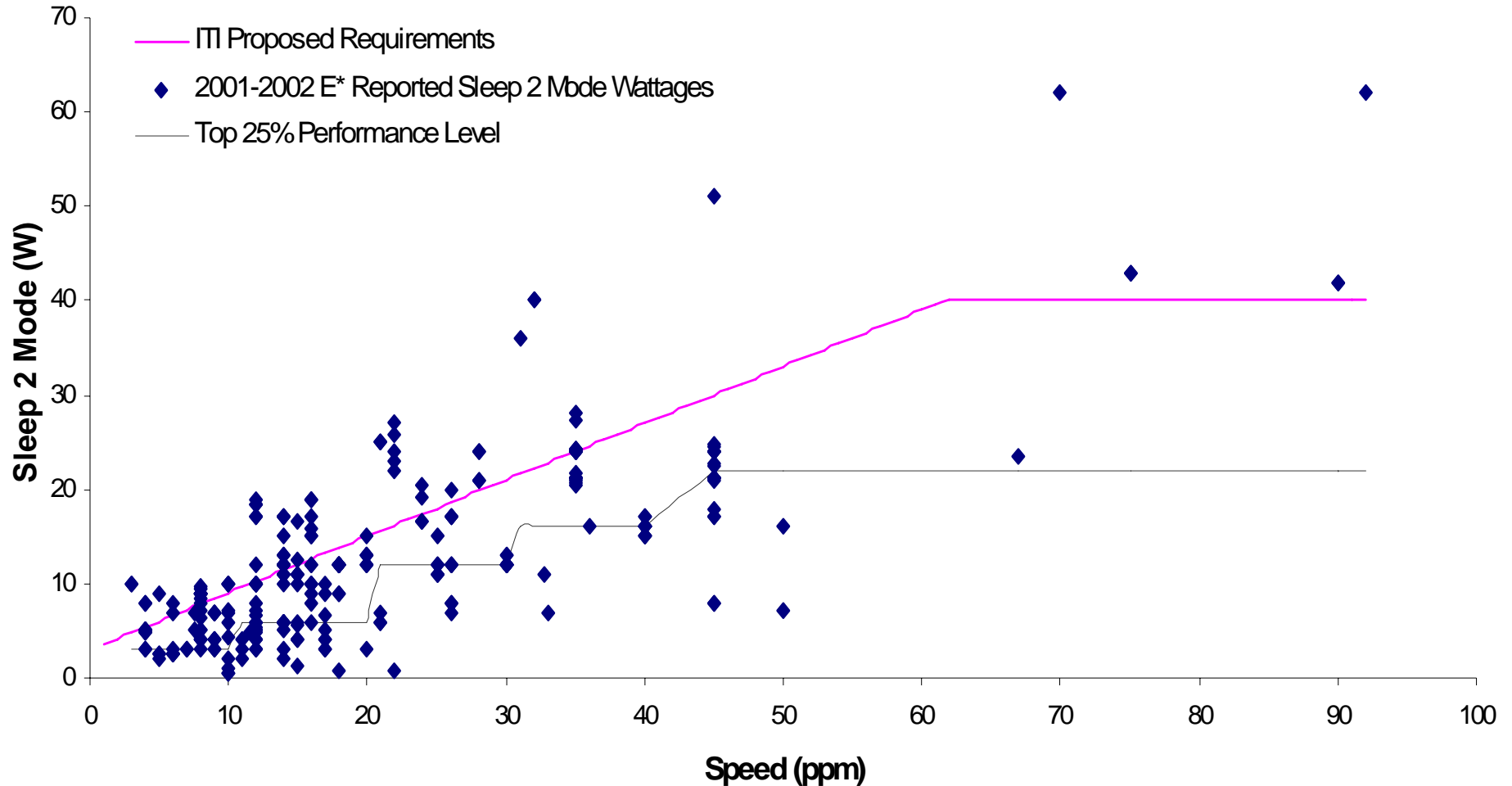
## Sleep 1 Mode v. Speed for Standard-size Monochrome Copiers



# Printers: Comparison of ITI Proposal and ENERGY STAR Data



### Sleep 2 Mode v. Speed for Standard-size Printers

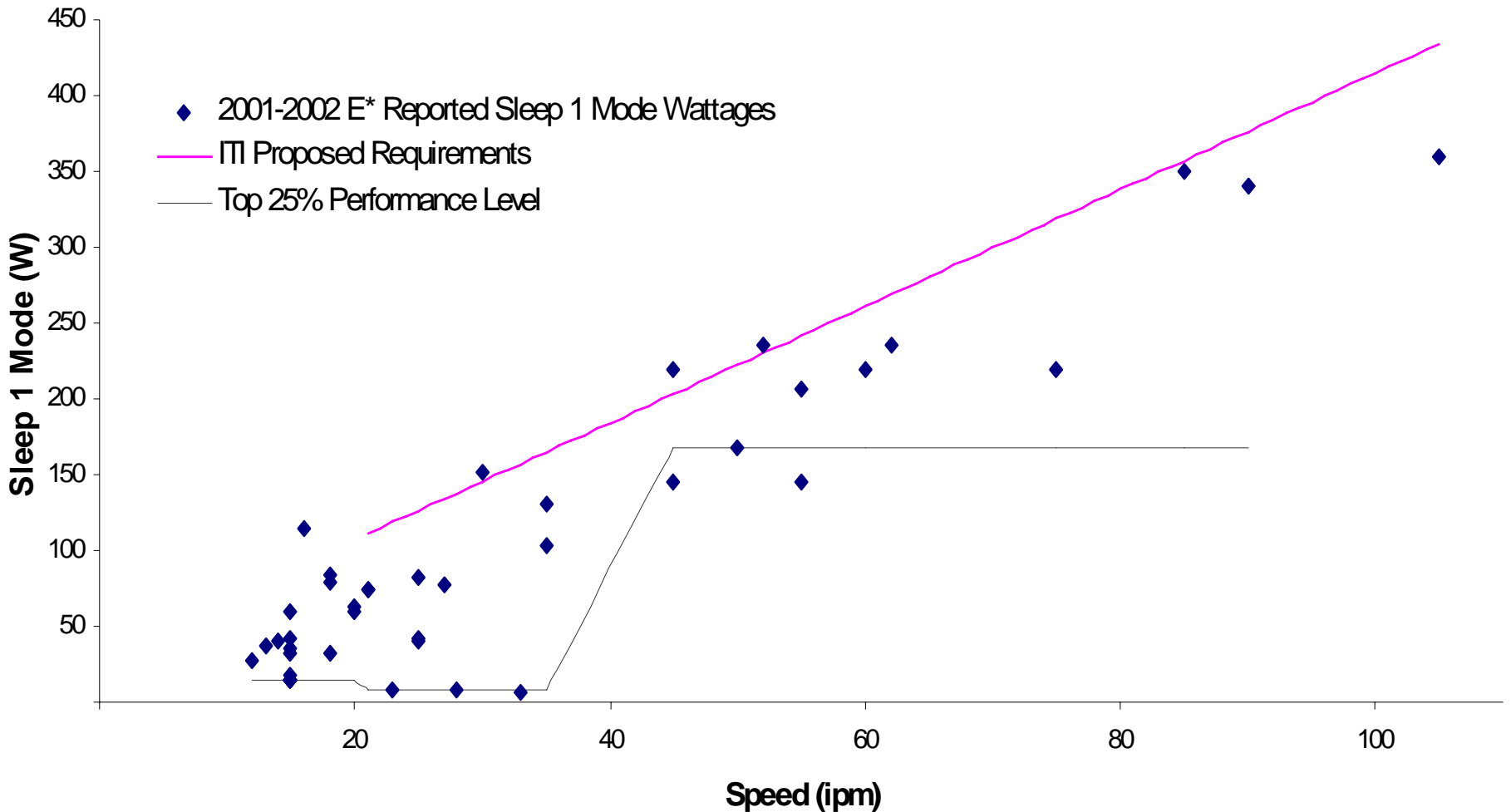




# MFDs: Comparison of ITI Proposal and ENERGY STAR Data



## Sleep 1 Mode v. Speed for Standard-size Monochrome MFDs



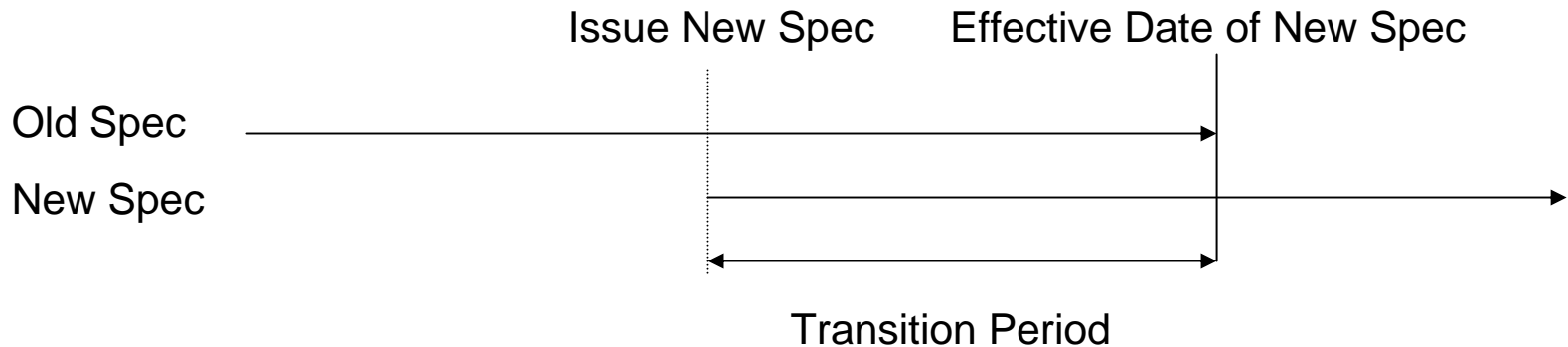
# Power Measurement



- Obviously test methodology needs to be updated
- EPA welcomes significant industry input
- EPA and Industry should collaborate in development
- Need to finalize required operational modes first

# Effective Date

- As product specs come up for revision, EPA is committed to eliminating provisions that allow labeling of non-qualifying models.
- EPA also is committed to accommodating production cycles via establishing effective dates for new specs.



EX: Assume new spec is finalized in April 2004 and takes effect one year later in April 2005. A model qualified as ENERGY STAR in February 2005 under the old spec with a date of manufacture in March 2005 may carry the label as it filters through the distribution chain. However, a model with a date of manufacture in May 2005 must meet new spec to qualify as ENERGY STAR.

# Next Steps



- Complete Detailed Review of ITI Proposal
- Conduct Individual Manufacturer Meetings
- Review Product Test Data
- Recirculate Partnership Agreement Language to Interested Parties
- Release Draft 1 of the Revised ENERGY STAR Specification

# Time Line



- Draft Specification: Summer 2003
- Final Specification: Spring 2004
- Effective Date: To be negotiated

# Power Management Controls



- Brief Update from Bruce Nordman, Lawrence Berkeley National Laboratory
- <http://eetd.LBL.gov/Controls>