



Proposal to Address Download Acquisition Mode (DAM) Under the Version 3.0 ENERGY STAR® TV Products Specification

Download Acquisition Mode (DAM)

- Based on stakeholder comments, and further internal consideration, EPA developed the following proposal to address remaining concerns with DAM in the Version 3.0 specification. EPA appreciates the continued efforts of stakeholders in addressing outstanding issues in the specification.
- EPA seeks feedback from stakeholders on this proposal prior to the release of the Draft Final version of the specification, scheduled for release in early December. Comments with respect to this proposal will help shape the DAM portion of the forthcoming Draft Final Specification. EPA would appreciate comments by November 30, 2007.

DAM Proposal

- EPA does not believe that within the timeframe and resources available for Tier 1 of this revision that comprehensive and effective criteria, and corresponding test procedures, can be developed for DAM.
- EPA believes there are several advantages to addressing DAM in a comprehensive manner under Tier 2. Issues to be addressed could include (1) impact of point of deployment modules (PODs) on both DAM and active power, (2) home networking effects on DAM energy use and opportunities for savings, (3) content service provider operations and the impact on DAM energy use, and (4) opportunities for energy savings through improvements to EPG services.
- EPA believes that test procedures and criteria developed under the Set Top Box specification may be readily transferable to many of the DAM issues listed above. For example, some criteria may need to be directed at content service providers and address how network operations impact DAM energy use in TVs. Roles and corresponding criteria are being developed for both equipment manufacturers and content service providers in the Set Top Box specification development process. This structure could be adopted for DAM in TVs under Tier 2.
- In the interim, EPA believes the definition for Standby under Tier 1 will disqualify from consideration for the ENERGY STAR label TVs configured such that DAM would consume energy on a 24 hour per day continuous basis. The Standby definition includes an explanation that "A TV which does not have a [standby mode] mode meeting this description [i.e. neither transmits nor receives information] cannot qualify for ENERGY STAR."
- EPA believes this aspect of the Standby definition will eliminate from consideration TVs that are shipped with the following types of product features defaulted to On. TVs shipped with these features defaulted to Off could still qualify for the ENERGY STAR label.
 - o Public Alert (note EPA is working with stakeholders to refine language regarding the handling of this feature)
 - o 24hr/day Terrestrial EPG
 - o 24 hr/day Other Terrestrial
 - o 24 hr/day Home Networking
- In addition EPA seeks feedback from stakeholders on (1) what steps a consumer needs to take to turn off features that rely on terrestrial signals (e.g. EPG) when a user does not need the service, and (2) how consumers could be informed of this energy savings option. An example of an instance where a consumer may wish to save energy by turning off the terrestrial EPG is where the consumer uses digital cable or satellite for reception and does not watch TV programming delivered via terrestrial signals.