

# IEC TV Power Consumption Measurement Project Overview



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## What is the IEC?

- IEC is the International Electrotechnical Commission
- An international standards body
- First meeting: 26 June, 1906
- Originally located in London; moved to Geneva in 1948
- [www.iec.ch](http://www.iec.ch)
- IEC is a matrix of technical committees (TCs)/subcommittees (SCs) and national committees (NCs)
  - Technical committees organize and administer the projects
  - Voting is done by the national committees
  - Nations potentially have Technical Advisory Groups (TAGs) for the Technical committees. They advise the national committees on voting.
  - You may join a TAG, and could become a delegate at TC meetings

- IEC TC100 (Technical Committee 100) has taken the lead role through the NP (new project, or new work item proposal) process
- TC100's scope covers "Audio, video and multimedia systems and equipment "; we are one of the most prolific TCs
- TC108 (Safety) has been invited to join the effort
- TC110 (Displays) is actively involved in the project
- Participants include industry, government agencies, academia and others
- Anybody may join

- The project includes the following goals:
  - To be technology and size neutral
  - To consider dual function products, such as TVs with computer monitor capabilities
  - To allow for fair and consistent comparison of products
  - To have international scope and application
  - To focus on out-of-the-wall power consumption (i.e., consumption from the power mains)
  - To include a rich range of content for the test image
  - To be an easy to use measurement technique
  - To have an intuitive set up (e.g., out of the box/default settings) and run in a reasonable amount of time (i.e., a few hours with the ability to extrapolate results).
  - Timely publication and promulgation: 2007.

- June 2005: NRDC hosted a TV Energy workshop in San Francisco
- September 2005: The topic was proposed at the TC100 meeting in San Jose
- December 2005: Jon Fairhurst of Sharp volunteers as project leader
- January 2005: Developed the NP
- February 2005: NP proposed to the US TAG
- March 2005: NP passed 30 day TAG vote; Comments resolved
- April 2006: NP ballot issued in TC100; Initial draft delivered to TC100
- May 2006: Ad-hoc meeting held in Helsinki; Working draft revised.
- June 2006: Working draft presented to London TV Power Consumption workshop
- July 2006: Two day meeting planned (18<sup>th</sup> & 19<sup>th</sup>) in Washington
- September 2006: Meeting planned in Berlin (27<sup>th</sup>). Goal: Working draft completed.
- IEC TC100 procedures move forward (comment periods and ballots)
- Formal publication