

Data collection approaches and methodologies

- Software for simulating network connectivity and measuring power levels
- Real world usage – determine actual daily network traffic of networked equipment
- Online database on power levels of ICT network equipment
- Using network connectivity to get products to report energy related information

Software for simulating network connectivity and measuring energy consumption

- **Objective:**

- Develop a methodology regarding the collection of data on how much energy appliances consume when in standby mode and connected to networks.

- **How?**

- The methodology requires a personal computer (PC) based software tool, which facilitates the measurement and automatic power requirement logging of low power modes with network connectivity

- **Where could it be used:**

- Product testing and retail display environments

Measurement steps

1. The PC tool provides a local network (wired and wireless).
2. Unit under test (UUT) will be connected to the power meter (wattman) and the provided network manually for the test.
3. PC tool confirms that the unit is connected to the provided network and that the unit is ready to be measured for power requirement in the relevant mode or modes.
4. Needed background data (brand, model, etc.) will be registered in the PC tool manually.
5. The unit will be switched into the relevant mode and measurement will be performed.
6. Measured values will be automatically stored in the PC tools.

Measurement steps

