IEEE1888 Overview

IEEE1888 is a standard for ubiquitous green community control network (UGCCNet), which has been led by Chinese communities from 2008. This standard specifies a (HTTP and XML-based) communication protocol among facilities (in buildings, homes, factories), data storages, and applications (e.g., web servers and controllers) -- see figure 1. With this framework, this protocol provide following capabilities:

- Easy to analyze trend data that is important for energy saving
- Easy translation with other protocols because of it’s simple design
- Easy to control/access devices beyond the Internet

This protocol did not originally focus on smart grid, however, it seems quite related. This protocol was approved as a standard of IEEE in February 2011.

This talk will provide the goal, what can be realized, technical overview and the background of IEEE1888.

![Fig 1. Application of IEEE1888](image)