



Programmable Communicating Thermostat (PCT) Systems Integration (SI) Interfaces (I/F)

**Ron Hofmann
PIER DR R&D Program Advisor
February 16, 2006**

DOCKET

07-BSTD-1

DATE FEB 16 2006

RECD. APR 29 2008



Reasons for SI I/F Specs

- ★ **One PCT SI I/F for all of CA (US)**
 - ◆ Retail purchased at Home Depot, etc.
 - ◆ Consumer owned, installed, maintained
- ★ **Common signaling throughout CA (US)**
- ★ **Works with any minimum AMI system**
 - ◆ Signals synched with AMI resolution
- ★ **Compatible with legacy technologies**
 - ◆ Preserve richness of thermostat options



Why are we here?

★ **A Straw Man Concept (R&D)**

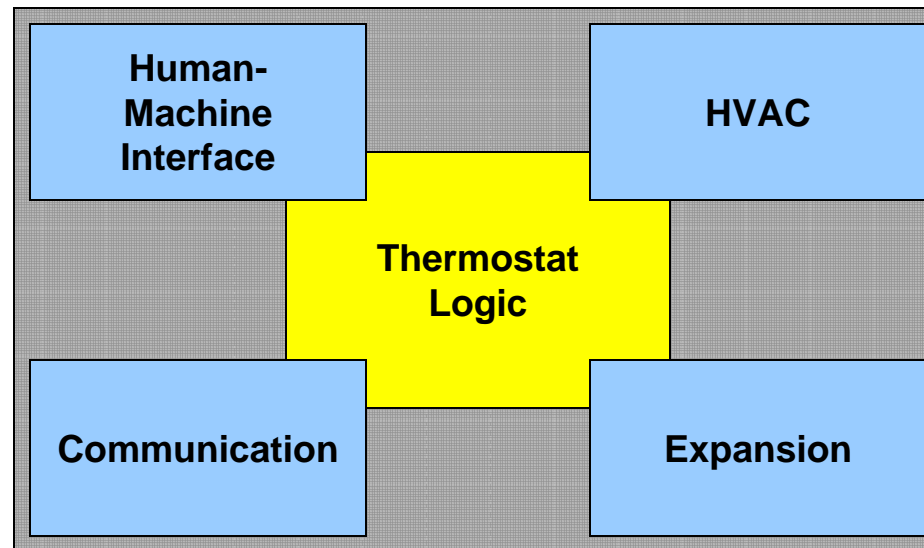
- ◆ Common signaling (broadcast packets)
- ◆ Plug-in HVAC connection (plug & work)
- ◆ Expansion port (evolutionary features)
- ◆ Additional human information (override)

★ **Title 24 Standards**

- ◆ Industry works it out with CEC



Four R&D PCT Interfaces





Proof-of Concept Prototype

