Standardization and Innovation in Trade

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Standardization and Innovation in Trade

Agenda

- Programmable Communicating Thermostats
- T8 Rapid-Start Fluorescent Lamp/Ballast Systems in Dimming Applications
- Digital Addressable Lighting Interface for Lighting Controls
Programmable Communicating Thermostats

- 2008 CE Code driving proposal for PCT for residences
- All PCT must have 2-way communications device for price and emergency events
- NEMA members want one requirement for all utilities
- Standard uses requirements developed by NEMA members
- Requirements rely on technical advances by industry
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- **T8 Rapid-Start Fluorescent Lamp/Ballast Systems in Dimming Applications**
  - Increasing need for low level dimming applications
  - Product NOT developed with dimming in mind
  - Development of more robust electronic ballast systems
  - DOE funding for experiments
  - NEMA lamp/ballast manufacturers involved with RPI
  - Experiments will drive operating parameters
  - Parameters will drive standard and standard will drive future product design.
Digital Addressable Lighting Interface for Lighting Controls

- Need for device to coordination smart controls
- DALI protocol built into NEMA standard is “open”
- DALI protocol allows for proprietary product interface
- Early indications show energy savings of 25% - 60%
- NEMA teaming with CEC to set up demo sites
- Draft standard driving development of new lighting control products