



standardization
and innovation

2006 ANSI ANNUAL CONFERENCE



Standardization and Innovation in Trade

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■ Agenda

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



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- **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.



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■ 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

