



# New Features of ZigBee Smart Energy

*Delivering Energy Management to Consumers Today*

April 11, 2012  
Webinar

# Agenda

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1. Introduction to new features in ZigBee Smart Energy
  - Stephen Johnson, Product Line Manager, Itron
2. Smart Meter Texas market and interoperability enhancements in ZigBee Smart Energy
  - Larry Kohrmann, BPL Manager, Oncor Electric Delivery
3. BC Hydro's vision for retail availability of devices, their use of the block tariff functionality
  - David Sussman, Program Lead, Home Area Network, BC Hydro
  - Tony Mauro, Senior Engineer, BC Hydro
4. Upgrading devices in the field, migrating to new versions and Over the Air Upgrades
  - David Mayne, Director Business Development, Digi International
5. Q&A



# Speaker Presentations





# Introduction to New Features

Stephen Johnson  
Itron

# ZigBee Smart Energy Evolution

VERSION NUMBER	REVISION NUMERING	
Standard Number	Feature Additions	Bug Fixes (CCBs)
1	+.1	+.X.1

- **Version number:**
  - 1. First version of standard
  - 2. Breaking backwards compatibility or changes specifications
- **Feature additions:**
  - Any updates to standard adds .1 to version
  - New features defined in an MRD approved by ZigBee Alliance
  - Backwards compatibility to major version p reserved





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# ZigBee Smart Energy v1.1

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- Builds on existing deployments of ZigBee Smart Energy v1.0
- New market requirements emerged after initial deployments:
  - Interoperability enhancements
  - Block tariffs
  - Meter swap-outs
  - Tunneling
  - Over-the-air updates
- Backwards compatible – v1.0 will coexist with v1.1



# **The Texas Energy Market & Its Role in ZigBee Smart Energy Interoperability**

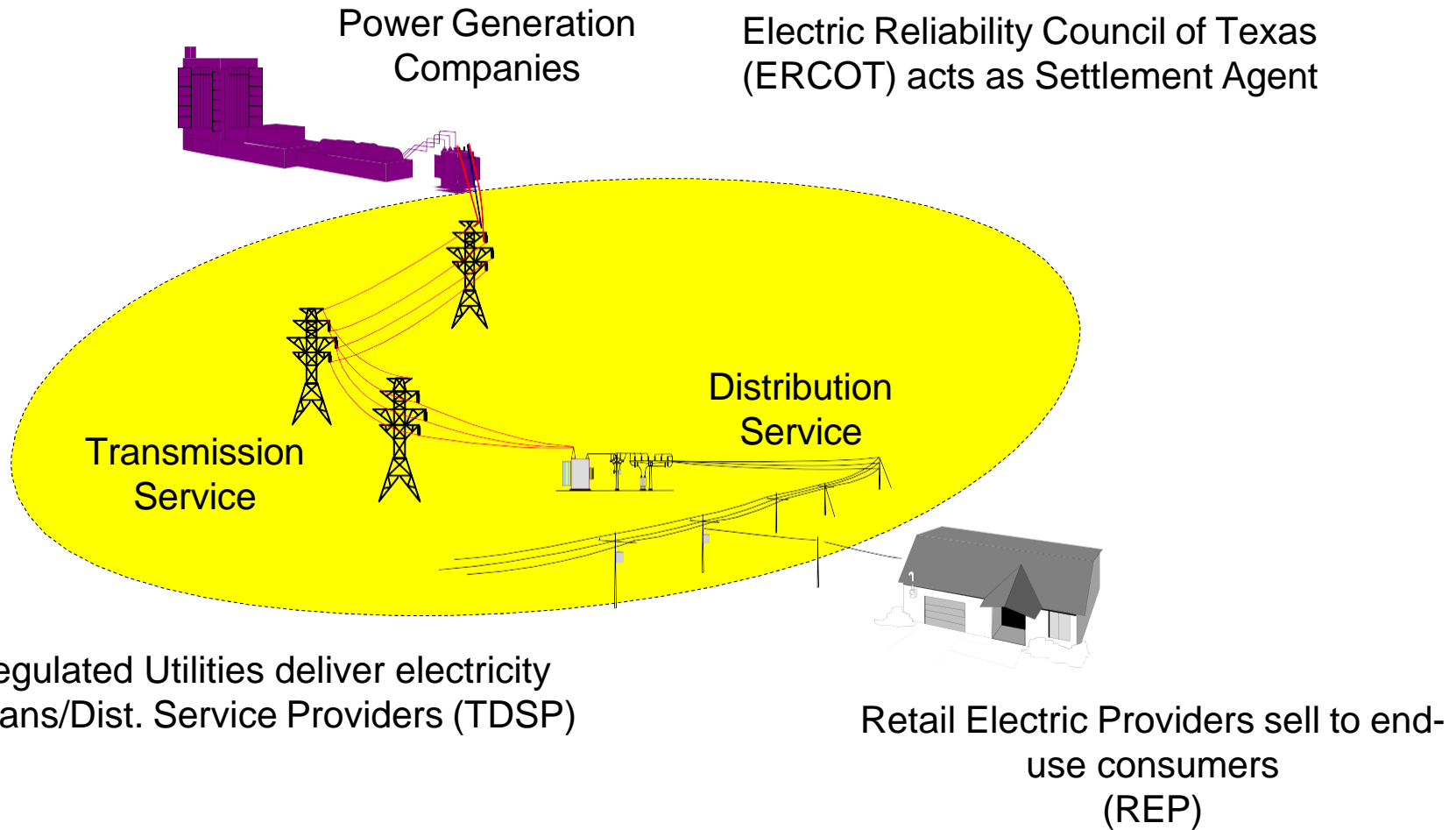
Larry Kohrmann  
Oncor Electric Delivery



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# Texas Competitive Electricity Market





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