

# AMI FOR DEREGULATED ELECTRIC MARKETS

AMI-SEC Face-to-Face Meeting  
San Diego, CA  
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# Introductions

## ▶ Durus Networks

- Network and Electricity Market Executives
  - Kathleen Huber
  - Caleb McLain
- Managed Services
- Professional Services

## ▶ Good Company Associates

- Advisors to Durus Networks
  - Michael Hathaway
  - Bob King
- Policy and market navigation consultants
  - Deregulated energy markets
  - Demand Response

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# Opportunities for AMI in a Deregulated Market

## ▶ **Efficiency**

- Finer granularity usage profile data
- Demand side management & controls
  - Real Time Information & Controls
  - Load Curtailment

## ▶ **Competitive Service Opportunities**

- New energy pricing programs
  - Time of use
- Demand side services

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# Vendor Roles in a Deregulated AMI Market

## ▶ **Transmission and Distribution Service Providers**

- Install AMI Meters
- Operate AMI communications network
- Provide customer access to meter data via Web & HAN

## ▶ **Retail Electric Providers**

- Install and manage HAN devices
- Offer competitive energy services to customers

## ▶ **ISO**

- Wholesale settlement process

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# Competitive Challenges for AMI

## ▶ Settlement process

- More meter data to store and manage

## ▶ AMI communications network

- Owned and operated by TDSP
- Finite network resource
- REP access will be limited

## ▶ Interaction with Non AMI communications platforms

- Premises Internet
  - Will connect to HAN
- Wireless (RDS & Pager)
  - Display devices & Load Curtailment

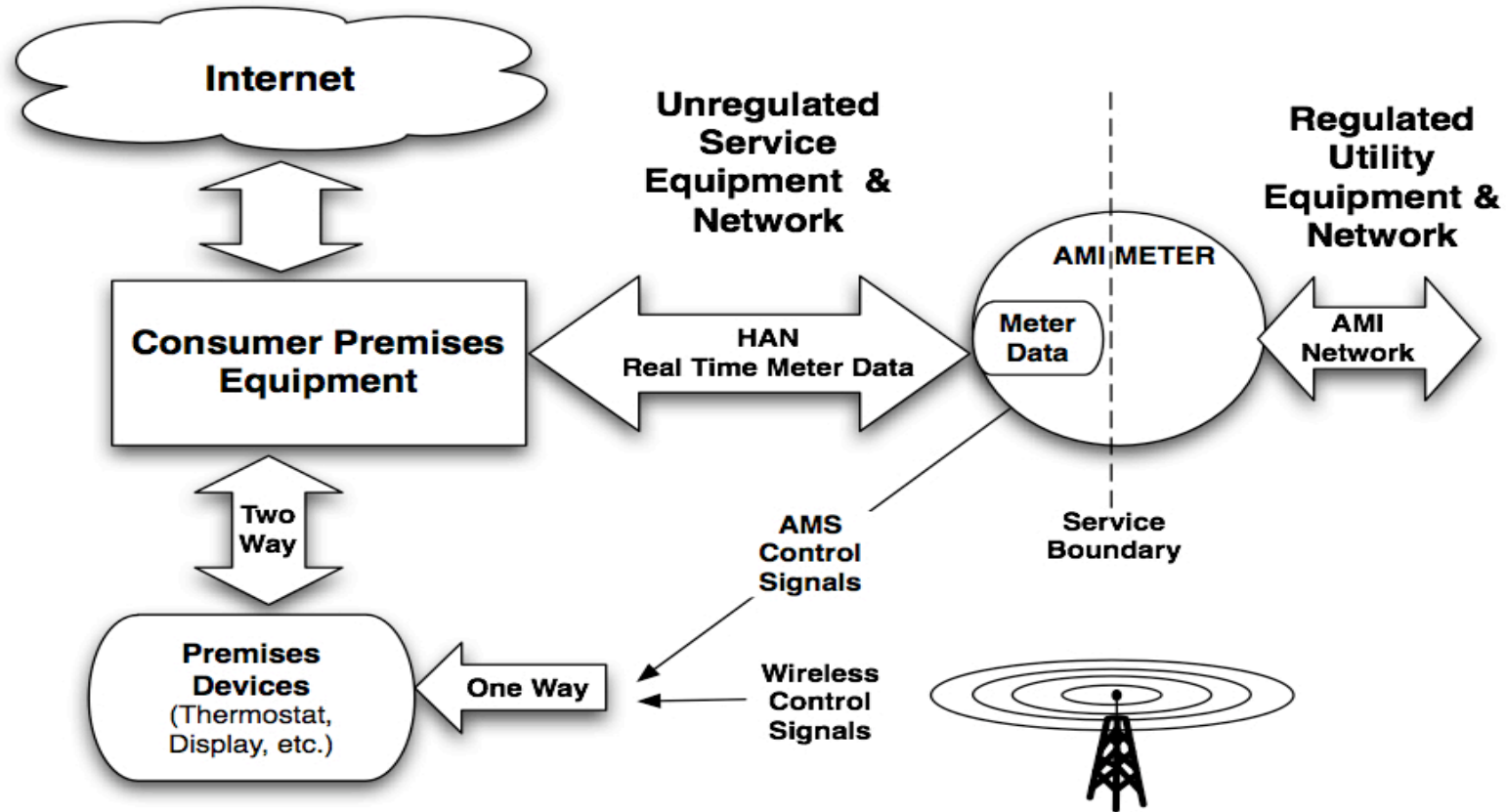
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# Deregulated Market Needs

- ▶ **Clear service boundary**
  - HAN interface to AMI meter
- ▶ **Role of Internet defined**
  - Internet connection to HAN
  - Security, Authentication, Authorization
- ▶ **Deregulated Service Platform**
  - Interaction with regulated AMI platform

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# Competitive Landscape



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# Architectural Considerations

- ▶ **Service Boundary**

- HAN side security & authentication

- ▶ **Internet / HAN connection**

- Security
- Authentication
- Authorization

- ▶ **Deregulated Platform**

- Internet device discovery & registration
- Role of a trusted third party authority

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