




Setting the Standard for Automation™

ISA100 T & D Interest Group Overview

*ISA100, Orlando, FL
February 7, 2008*

Standards
Certification
Education & Training
Publishing
Conferences & Exhibits

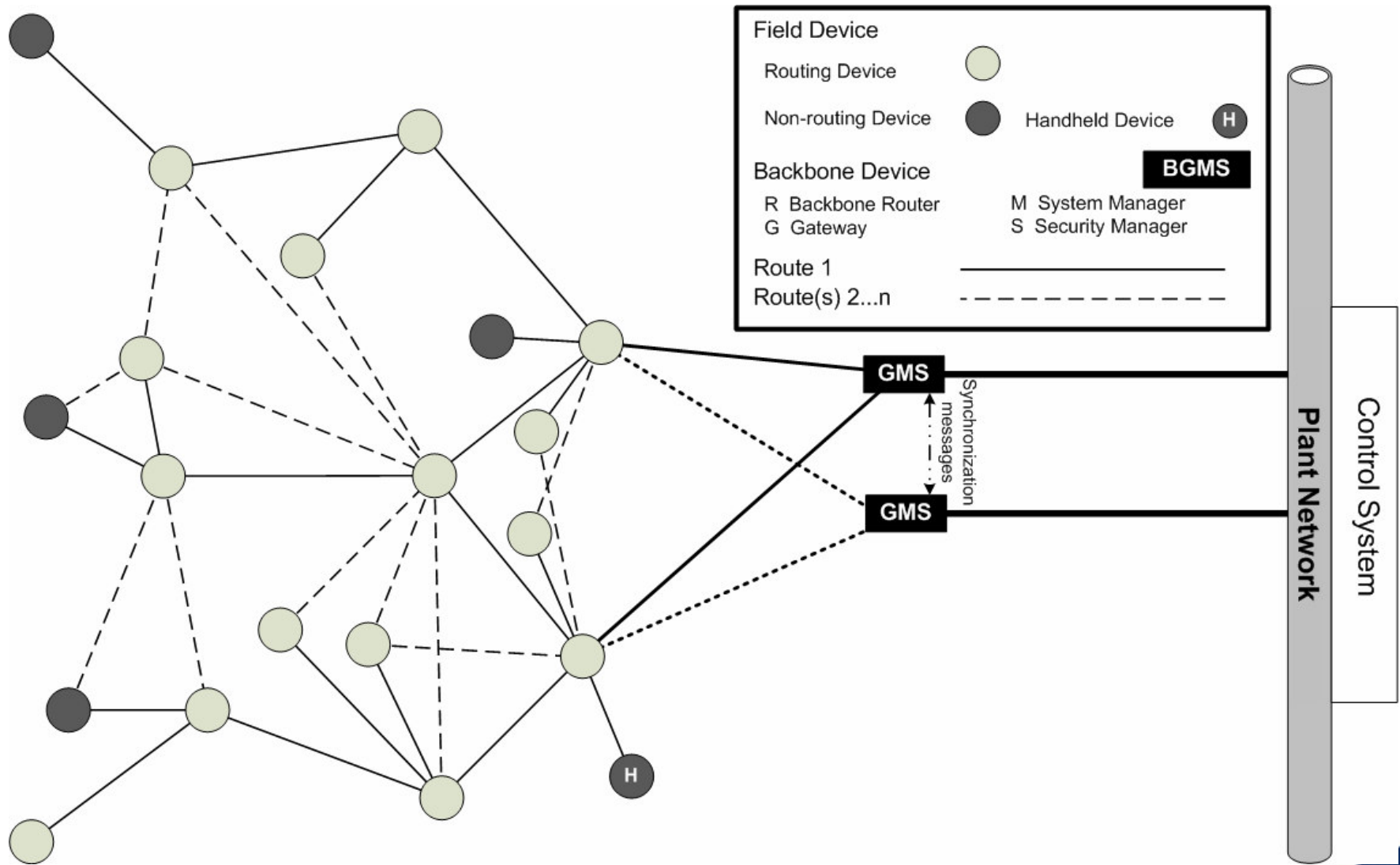
Transmission and Distribution

- ISA100.11a
 - Mesh Network design
 - Campus network (i.e., “plant” environment)
 - Not long-distance or linear
- 
- A decorative blue curved line is located in the bottom right corner of the slide, mirroring the style of the line at the top.

Mesh Network



Mesh Network



Linear Network



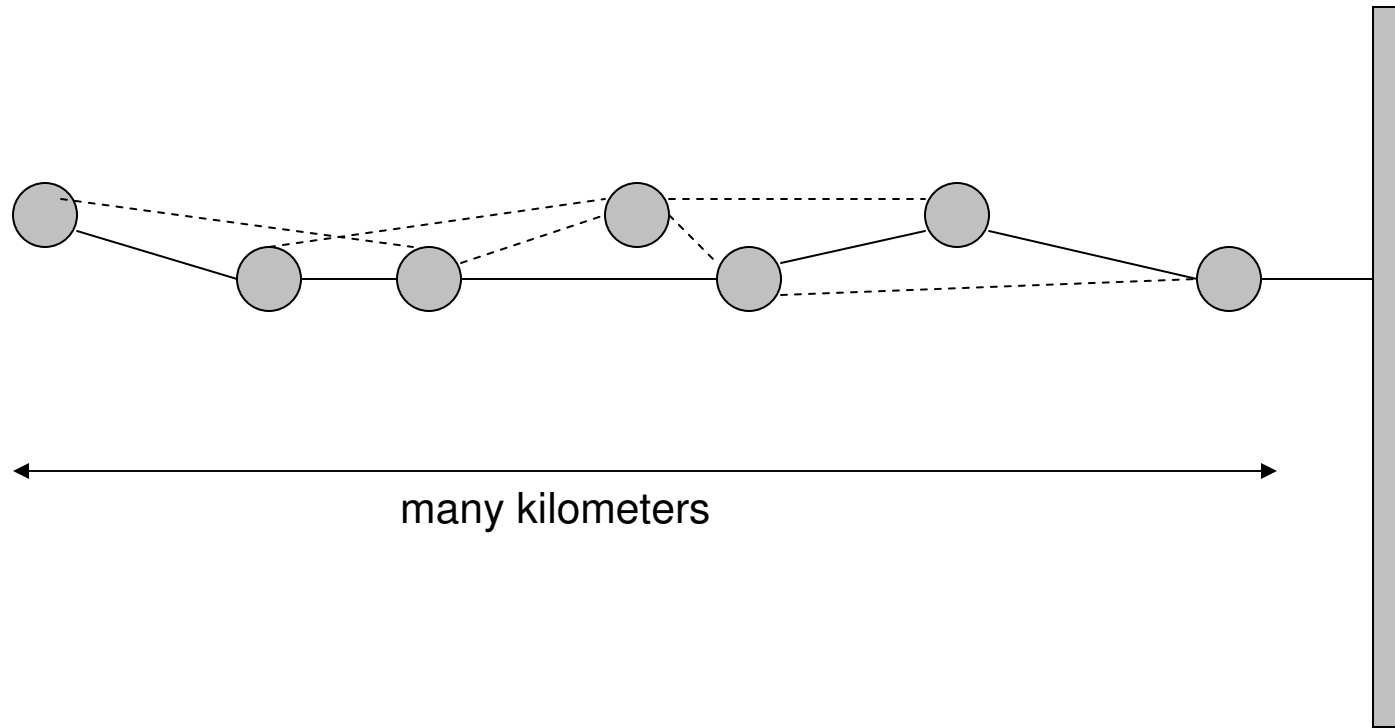
Linear Network



Linear Network



Linear Network



Differentiating Characteristics

- Long-distance linear
 - Not Campus network
 - Not many choices for next-hop routing
- Potential for many other networks
 - Distribution and retail environment where there are many other networks in the same space
 - Uncontrollable by ISA100 network management
- Equipment will be readily accessible by end-user customers (such as an ISA100 connected residential use meter)
 - Fraud detection and prevention will be important.



Next Steps

- Forming Interest Group
- Looking for Volunteers
 - Members of group
 - Co-chair (non-Electric asset owner)