



*Setting the Standard for Automation™*

# **ISA100 - ISA99 Trustworthy Wireless Interest Group Overview**

*ISA100, Orlando, FL*

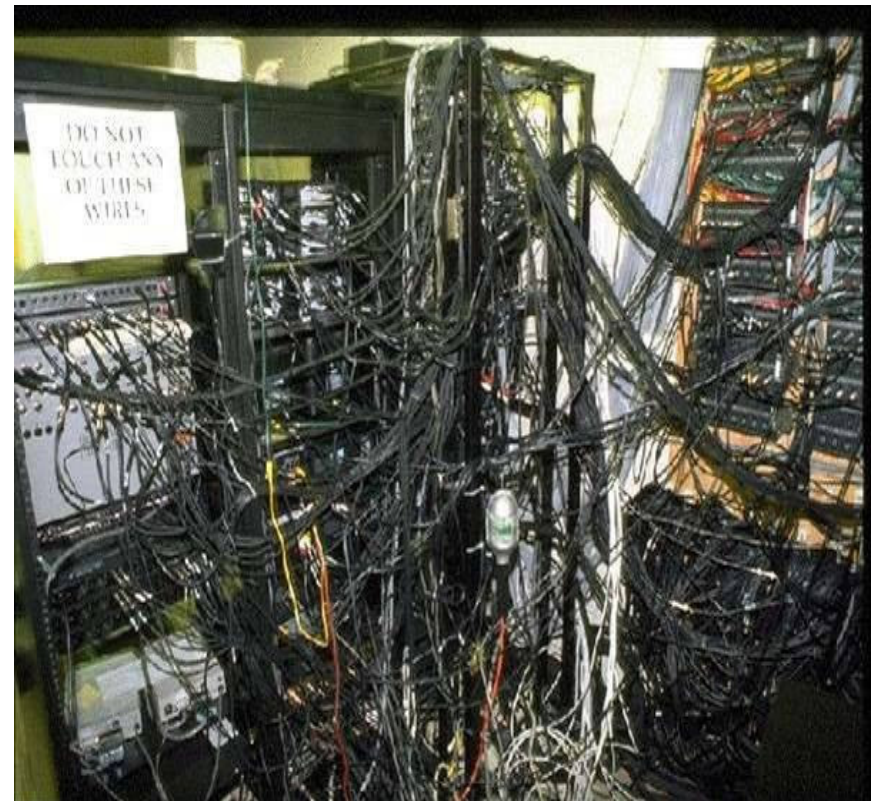
*February 7, 2008*

*Wayne W. Manges*

Standards  
Certification  
Education & Training  
Publishing  
Conferences & Exhibits

# Why Are We Here?

- History – began as Security Working Group in February 2007
- Vision – why us?
- Scope and Purpose – adapted from original
- Deliverables – document modeled after “Physics of Radio”
- Team Members – users, suppliers, academics, regulators, etc.





# Security – Not Enough Any More

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- February 2007 –
  - Proposed work products for this work group were:
    - Security assurance policies for ISA100
    - Security assurance document template for standards developers
    - ISA100 Standards Security Assessment forms and tools
    - Informative document describing the techniques and measures for security
- Team Members Then:
  - Vic Hammond, Shabbir Shamsuddin, Davis Shull, Mike Mets, Teja Kuruganti, Jeff Potter, Nov (from China), Wayne W. Manges (Chair)

# Trustworthiness – More Than a Feeling

- Quantifiable – when is a system trustworthy enough? How can I make it more trustworthy? What will it cost to achieve a required level of trustworthiness?
- Predictable – design trustworthiness into the system before it's installed
- Verifiable – how can I be sure?
- Real-time – Can an installed system become less trustworthy in operation?
- Forensics – can I learn from experience?



# Where Are We Now?

- Working Documents –
  - draft scope, purpose, deliverables, meeting minutes
  - Characteristics of Trustworthiness
  - Terms of Reference
  - Sicco Dwars – canonical scenario
- Team Members
  - Users, suppliers, government
  - About 10 participating members
- Telecons – First and Third Friday at 3:00PM
- Relationships
  - ISA99 – formal relationship established
  - IEC-TC65 – co-members
  - NIST 800-53 – co-members
  - NERC – CIP – co-chair
  - DHS – Metrics documents



**A key goal – Don't Delay ISA100.11a Release 1!**



## Where Are We Headed?

- Deliverable – key document for use by wireless industrial network community
  - “Technology for Trustworthiness in Wireless Industrial Automation”
- Lexicon – definitions
- Metrics – measures of success
- Use Cases – bound the problem
- Participation – sign up!!!



IAEA – An interested party!