

ISA100 Wireless Compliance Institute

*Providing Market Awareness, Technical
Support, and Compliance for the
ISA100 Family of Universal Industrial Wireless
Standards*



ISA100 Wireless Compliance Institute

Proposed Concept

- **A non-profit consortium providing market awareness, technical support, and compliance for the ISA100 family of universal industrial wireless standards .**
 - End users, technology suppliers, research and development, academia, and other industry consortia and standards bodies.
- **Facilitates the use and understanding of the ISA100 family of standards through:**
 - compliance testing programs,
 - associated market awareness, and
 - technical support to users and developers
- **Collaborates with ISA to foster rapid refinement and development of open, industry standards for wireless applications.**
- **Collaborates with WINA to promulgate use and understanding of the ISA100 universal family of standards**

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Compliance

- ◆ **Applies and maintains suitable compliance assessment methodologies**
- ◆ **Manages the compliance testing programs and associated license programs**
 - Partners with other organizations to deliver compliance testing as appropriate
- ◆ **Acts as clearinghouse for compliant products**

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Market Awareness

- ◆ **Communicates the value of ISA100 compliant wireless solutions and brand**
- ◆ **Communicates the business and technology advantages of ISA100 wireless applications**
 - web site
 - trade shows
 - advertising/PR
 - white papers and magazine articles
 - collateral materials
- ◆ **Gathers and disseminates market adoption data**
 - clearing house of compliant product and services available, and end user and supplier provided use case histories

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Technical Support

- ◆ **Facilitates understanding and adoption by technology providers**
 - development tools
 - technical staff support
 - training
 - professional certificates of competence
- ◆ **Assists end users with understanding the ISA100 technology**
 - technical staff support
 - training
- ◆ **Contributes to the development and application of the ISA100 technology**
 - field trials and demonstrations
 - product interoperability

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Benefits

- **Facilitates the integrated application of the ISA100 family of standards**
- **Positions the ISA100 wireless standards as universal across all protocols**
- **Positions the ISA100 wireless standards as uniquely suited for a broad range of industrial applications**
- **Provides an open process with end user input via ISA and other Automation Federation member organizations**
- **Affiliated with ISA which facilitates**
 - ISA and IEC standards development and implementation
 - market awareness and training
- **Affiliated with WINA via The Automation Federation which facilitates**
 - Collaborative market awareness
 - Positioning with other wireless standards

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Proposed Organizational Mechanics

- ◆ Operates as an industry-governed group within the Automation Standards Compliance Institute (ASCI)
- ◆ Has a governance structure from member organizations
 - Strategic scope and policies defined by Governing Board
 - Technical activities overseen by Technical Steering Committee
 - Market awareness activities overseen by Marketing Committee

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An ASCI Organization

- ◆ **ASCI is a non-profit entity established to facilitate automation-related standards implementation and compliance**
 - Owned and operated by ISA for benefit of industry and the profession
 - Provides a stable long-term entity that transcends individuals, products, and companies, and provides corporate memory
- ◆ **Provides a vital link between ISA's unbiased standards and the implementation of those standards**
- ◆ **Activities are market-driven with a self-supporting financial expectation**
 - Membership dues
 - Training, technical support, and certification fees
- ◆ **Infrastructure is in place so quick and low cost start up is possible**
 - Bylaws, governance, admin staff resources, IT infrastructure, accounting systems
- ◆ **Industry interest groups govern specific programs**

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Next Steps

- ◆ **Identify companies interested in providing market awareness, technical support, and compliance for the ISA100 family of universal industrial wireless standards**
 - 25 or so companies to act as initial sounding board for further development of the scope and long term business plan
 - ISA, through ASCI, will fund the preparation, dissemination, and review of the proposed business plan
- ◆ **Initial seed funding of \$10k per company allows immediate step to hire technical staff**
 - Contribute to ISA100 standard
 - Coordinate proof of concept demos
 - Other?

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Phase		Timing								
		2007				2008				
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
1	Recruit 25 initial supporting companies at \$10k each									
2	Develop and review proposed business plan to establish ISA100 Wireless Compliance Institute									
3	Launch ISA100 Wireless Compliance Institute									
4	Conduct ISA100 demo at ISA EXPO 2007 and issue draft ISA100.11a standard									
5	Define scope and testing methodology for compliance program									
6	Implement compliance program									

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