



**Process Control Systems
Industry Conference**

The State of Building Security In

Where are we at in the process?

Lead Moderator: David Norton
Organizer: Ernie Rakaczky

Key Objectives

- ◆ **Bring together a group of Control System Vendors that represent the major percentage of Industry processes under control.**
- ◆ **Allow you the opportunity, through your questions, the ability to have your major concerns/requirements addressed by the Vendor Group.**
- ◆ **As part of the Vendor Forum, this will begin the process where the User community can have their requirements reviewed and possibly address those items that have a cross vendor implication.**

Panel Guidelines

- ◆ **As we begin the Q&A process, as a means to address as many as possible questions, we will try and limit the responses from no more than three of the panel members.**
- ◆ **Try and keep you questions to a level that have an impact/requirement for the Vendor community as a whole and not focused on a key concern about any one particular Vendor that maybe on this panel.**

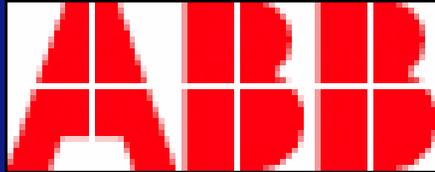
Panel Guidelines

- ◆ **For all questions, those discussed and those that are not addressed during this session, they will be recorded and tracked. The detailed list will be part of the monthly Vendor forum agenda.**



Process Control Systems
Industry Conference

Today's Panel



EMERSON
Process Management

Honeywell



IPS
INVENSYS PROCESS SYSTEMS
A Revolution in Performance

SIEMENS

TELVENT



YOKOGAWA

Panel Members

- ◆ **Markus Braendle – ABB**
- ◆ **Jeff Potter – Emerson Process Management**
- ◆ **Kevin Staggs – Honeywell**
- ◆ **Ernest Rakaczky – Invensys Process Systems**
- ◆ **Paul Skare – Siemens**
- ◆ **Robert McComber – Telvent USA**
- ◆ **Penny Chen – Yokogawa Electric Corporation**

Vendor Community Working Together

Vendor Forum

- ◆ The actual formation of the Vendor forum came in 2005
- ◆ Since that time we meet on a monthly basis to identify common Cyber Security Requirements, Concerns and Top Issues that have a common impact on every vendor
- ◆ Today's Vendor Forum consists of over 64 individuals representing more than 22 companies
- ◆ DHS support has been key to both the founding and the ongoing success of this group

Vendor Community Working Together

Driving Industry Standards & Guidance

- ◆ **ISA SP99 – Strong and continual participation in past and current efforts underway**
- ◆ **ISA SP100 - Working group chair of the Wireless Cyber Security Requirements – Jeff Potter - Emerson**
- ◆ **ISA SP99 – Working group Co-Chair of WG-4 – Kevin Staggs - Honeywell**
- ◆ **ISCI – ISA Security Compliance Institute – Governing Board Technical and Marketing Chairs – Kevin Staggs Honeywell & Ernest A. Rakaczky – Invensys Process Systems**

Vendor Community Working Together

Driving Industry Standards & Guidance

- ◆ Technical participation to the NERC CIP redrafting process underway
- ◆ Contribution and participation in the definition of the Energy Roadmap...
- ◆ IAEA Participation in Working group defining Cyber Security Guidance for Control Systems
- ◆ IEC TC57 WG15 & WG19 with Paul Skare of Siemens WG19 convener
- ◆ IEEE P1686, P1689, P1711
- ◆ CIGRE D2.22 – CIGRE D2.24 – with Paul Skare liaison to IECTC57

Vendor Community Working Together

Awareness Catalyst

- ◆ **Continual participation in every major Control System Security event... PCSF, SANS, ISAEXPO, local ISA Sessions, and industry specific events**
- ◆ **Strong collaboration and positioning with DHS/CSSP activities**
- ◆ **Security awareness sessions and security training at annual vendor User Conferences**
- ◆ **Strong joint collaboration and presentations at various User Technical Events**
- ◆ **As a group we bring a very strong cross Industry/Sector perspective along with a global perspective**

Vendor Community Working Together

Current Collaboration Efforts

- ◆ **Strong involvement in the ongoing development of the Control System Cyber Security Procurement Standards**
- ◆ **Involvement within various DHS/DOE Programs:**
 - National SCADA Test Bed / INL
 - Project LOGIIC
 - Other key research efforts
- ◆ **Collaboration with numerous Foundations – OPC UA, Foundation Field Bus, HART, etc...**

Vendor Community Working Together

Our Key Challenges

- ◆ **Unifying guidance and objectives – moving together as a team**
- ◆ **Driving increased acceptance of the control system vendor community within industry planning and response efforts**
- ◆ **Ensuring that all vendors are effectively represented through this forum**
- ◆ **Increasing awareness of the forum within all major industry verticals**

Vendor Community Working Together

User Participation in the Vendor Forum

- ◆ Review and add guidance on various topics that the Vendor Forum is investigating and addressing
- ◆ Participation in the monthly vendor call
- ◆ Stronger joint participations at major events like PCSF, ISAEXPO, etc...
- ◆ Participation in the session that is about to begin...

- ◆ **Your turn...The Q&A portion of the program...**

- ◆ **As an Vendor Community how are you doing things different today than your were 3 years ago?**
- ◆ **Going forward what do you see as the key elements/roles for a control system Vendor in supporting the requirements of a more secure Critical Infrastructure?**
- ◆ **What challenges are you not able to address and require the user community to address ?**