International Society of Automation Cybersecurity Initiatives

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See us at cabana letter 'I'

ISA

38,500 MEMBERS

135 SECTIONS

44 COUNTRIES

350,000 CUSTOMERS

STANDARDS

EDUCATION

CERTIFICATION

CONFERENCES

PUBLICATIONS

COMPLIANCE

ISA Cyber Consortium Missions

LOGIIC - Research and development on cybersecurity topics for automation used by the oil and gas industry

http://www.automationfederation.org/Logiic/Logiic

ISAGCA - Bridge the gap between ISA/IEC 62443 standards and market adoption. Lead cybersecurity culture transformation.

https://isaautomation.isa.org/cybersecurity-alliance/

ISASecure - ISA/IEC 62443 cybersecurity certification of COTS products and supplier development processes

.....and ISA/IEC 62443 cybersecurity certification of end-user/asset owner operating sites/facilities (technology, people and process)

https://www.isasecure.org/en-US/

LOGIIC

Research and development on cybersecurity for automation in Oil & Gas industry. Partners with DHS S&T Directorate.

- Currently assessing vulnerabilities in safety systems deployed in the O&G industry

- New projects will address cybersecurity in O&G sub-sea exploration and production systems.

- Project findings are published and available on the public facing LOGIIC website. Some sensitive product-specific findings remain confidential.

ISASecure

Globally recognized ISA/IEC 62443 certification brand

- Started in 2007, first certification in 2010

- Certifies systems, components, development organizations

- Eight certification bodies around the globe

- Integrating ISASecure liaison and outreach activities with ISAGCA

- Partnering with NEMA and commercial real estate industry to launch a facility certification for building management systems (BMS)

ISASecure supporters past and present
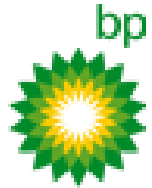
Global Facilities BMS Technology Certification Program

Discussion Document:

Proposal to Develop an Assessment and Conformance Program for Deployed Building Automation and Control Systems

National Electrical Manufacturer's Association (NEMA)

International Society of Automation (ISA)

US Commercial Real Estate Services (CBRE)

Assess and Issue a Cyber Performance Rating for Facility's BMS

- Based on consolidation of standards already in public domain

- Dynamic – the threat is always evolving

- Dynamic- the program for the response is always evolving
  - Incentivizes sustainment of good cyber practices over life cycle
  - Dynamic- rating requires periodic recertification to sustain these good cyber practices

- Assessment addresses protections for technology, processes, and people

- Rating public or private to tenants – Owner discretion

Good	Better	Best

Bronze

Silver

Gold

Platinum

Least Secure

Most Secure

ISA Global Cybersecurity Alliance

Bridge the gap between publication of the 62443 standards and adoption by stakeholders.

- Awareness & Outreach
- Advocacy & Adoption
- Compliance & Prevention
- Training & Education

- Launched July 2019

- 25 members in 2nd half 2019; add 50 more in 2020

- Added industry groups – LOGIIC, ISASecure, ISA99; in discussion with AFPM, ACC

- Globalize - Establish regional teams for outreach activities and regulatory tracking (NA, EU, Japan, MEA) in 2020

- Complete 8 key projects in 2020

2019 ISAGCA Projects Underway

1. An easy-to-follow, condensed *how-to* **guide to using the ISA/IEC 62443** series of standards

2. A consolidated matrix that **cross-references Key cybersecurity** standards to ISA/IEC 62443

3. A **roadmap for expanded cooperation** with worldwide governments that are currently referencing the standards in their regulatory requirements or recommended practices

4. **Workforce development-** A multi-dimensional reference guide mapping system lifecycle phases and **stakeholder roles** to specific automation cybersecurity knowledge, skills, and abilities needed to manage each phase

5. **Industry vertical overlays** to the ISA/IEC 62443 standards for building automation, medical devices; other sectors to be determined.

6. **Speakers bureau** - A database of speakers with expertise and experience in automation cybersecurity and associated commitments to speaking opportunities at industry events.

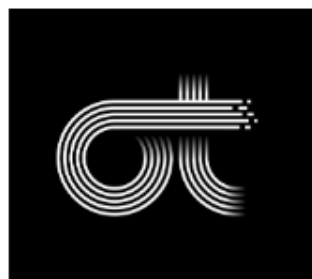7. **Additional projects** in the evaluation/startup phase in 2020

Please join us in securing automation that affects our every day lives.

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