



International Society of Automation



Industry Panel: ISASecure ISA/IEC 62443 Site Assessment (ACSSA) Program - Perspectives & Updates

May 8th 2024



Agenda

- Welcoming Remarks
- Panelist Intro
- ISASecure Site Assessment Overview & Updates
- Panel Discussion

Questions, comments, thoughts? Type them in chat





- Ted Gutierrez
- CEO & Co-Founder, SecurityGate
- Ensuring critical sectors are safe, reliable, and profitable
- Host of Business of Cyber Podcast



- Andre Ristaino
- Managing Director, Consortium & Alliances, ISA
- Provides staff leadership for ISA's conformance certification programs, including the ISASecure control systems certification program.
- An international presenter on the ISA/IEC 62443 standards and control systems certification



- Carol Muehrcke
- Program Manager, ISA Secure
- 26 years experience in cybersecurity
- Manages, develops and rolls out ISA Secure certification programs



- Rahul Gupta
- Global OT Cybersecurity & Functional Safety Leader, UL
- Interested in integrating Tech & Business Strategy
- ISA/IEC 62443 Expert



- Alan Raveling
- OT Architect - Cybersecurity, Interstates
- Helping organizations find understanding and direction in the complex maze that is the cybersecurity journey is his passion.
- Over 15 years experience in cybersecurity



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Automation and Control Systems Security Assurance (ACSSA) Certification

Based on ISA/IEC 62443

For Asset Owners

May 2024



Mission

Publish a consensus specification and establish a global scheme for assessing and certifying the cybersecurity of automation and control systems in use at asset owner sites based on the Asset Owner series of ISA/IEC 62443 standards.

Vision

The assessment specification and resulting standard report will become the de-facto foundational document of reference for assessing and certifying OT cybersecurity, globally, by asset owners, consultants, certification bodies and public policy makers...much like the GAAP standards developed by FASB for financial accounting.

Who will use the ACSSA Assessment Specification?



Asset Owners

... for self assessments or for consultants and other third parties doing the assessments on the asset owner's behalf to standardize the process and reports.



Consultants

... when doing assessments for clients, resulting in an industry standard assessment process and report.



Certification Bodies

... to conduct conformity assessments to the ACSSA specification, certifying conformance to the referenced ISA/IEC 62443 asset owner standards.



Public Policy Makers

... such as regulatory and legislative authorities, ACSSA becomes the definitive reference program when creating public cybersecurity policy.



2023/2024 Membership Additions

Strategic Members

GSK (asset owner)
Trane (technology provider)

Automation Suppliers and Service Providers

Technical

SecurityGate (technical)
Secudea (technical)
Walnut Creek Consulting (Technical)
Arcadis (Technical)
Peloton Cybersecurity (technical)
Enaxy (technical)
Optiva (technical)

Supporter

Generac(supporter)
Interstates (supporter)
Armexa (supporter)
Securing Things (supporter)
CyberPrism (supporter)
IACS Consulting (supporter)

Certification Bodies

Kaizen (India)
UL Solutions (Global)
AC&E (Italy/Global)

Associate / Government

Arnoud Soullie
John Kingsley
RBJ Consultancy
Zuonet
Industrial Technology Research Institute (ITRI)
– Taiwan Government
MIAN

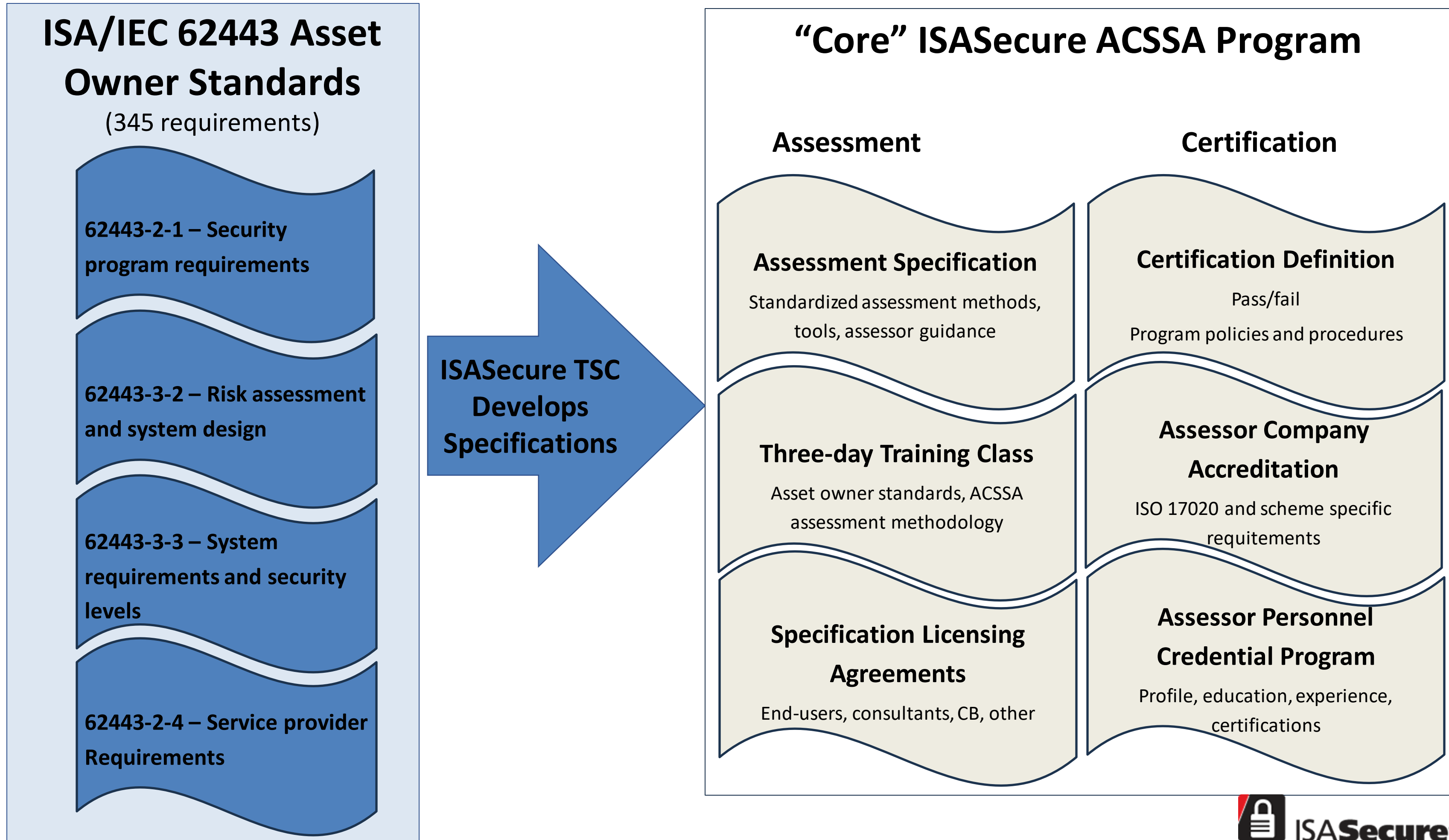


Use-cases for ACSSA

Assess cybersecurity of production assets and control systems at asset owner site:

- in steady-state
- recently upgraded (**Brownfield**)
- site commissioning stage (**Greenfield**)

Phase One – Develop Core ACSSA Scheme from ISA/IEC 62443

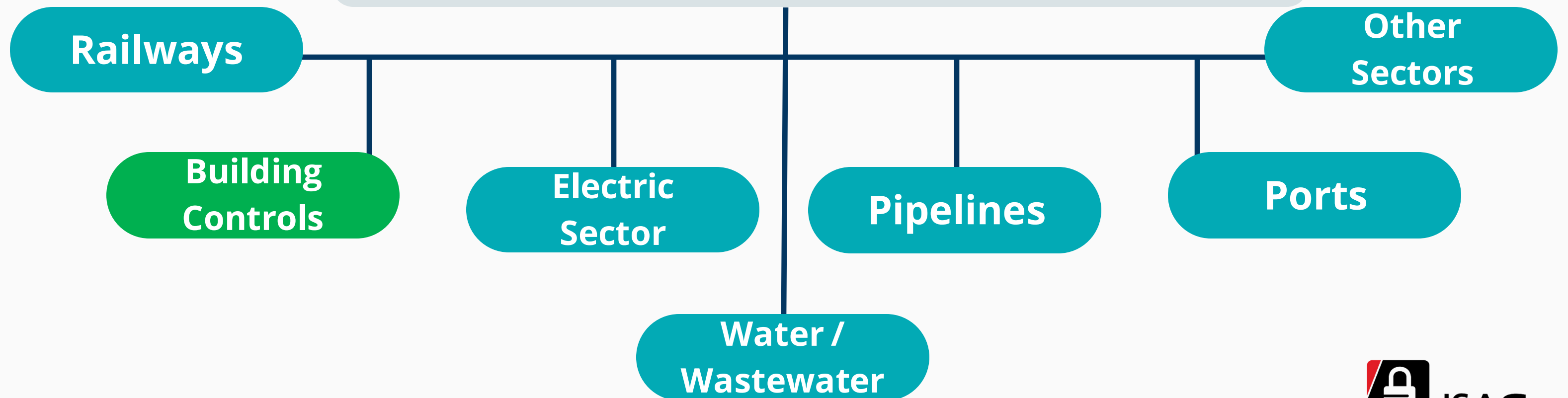




Phase II "Core" ISAsecure ACSSA Certification Specification used to create sector assessment profiles

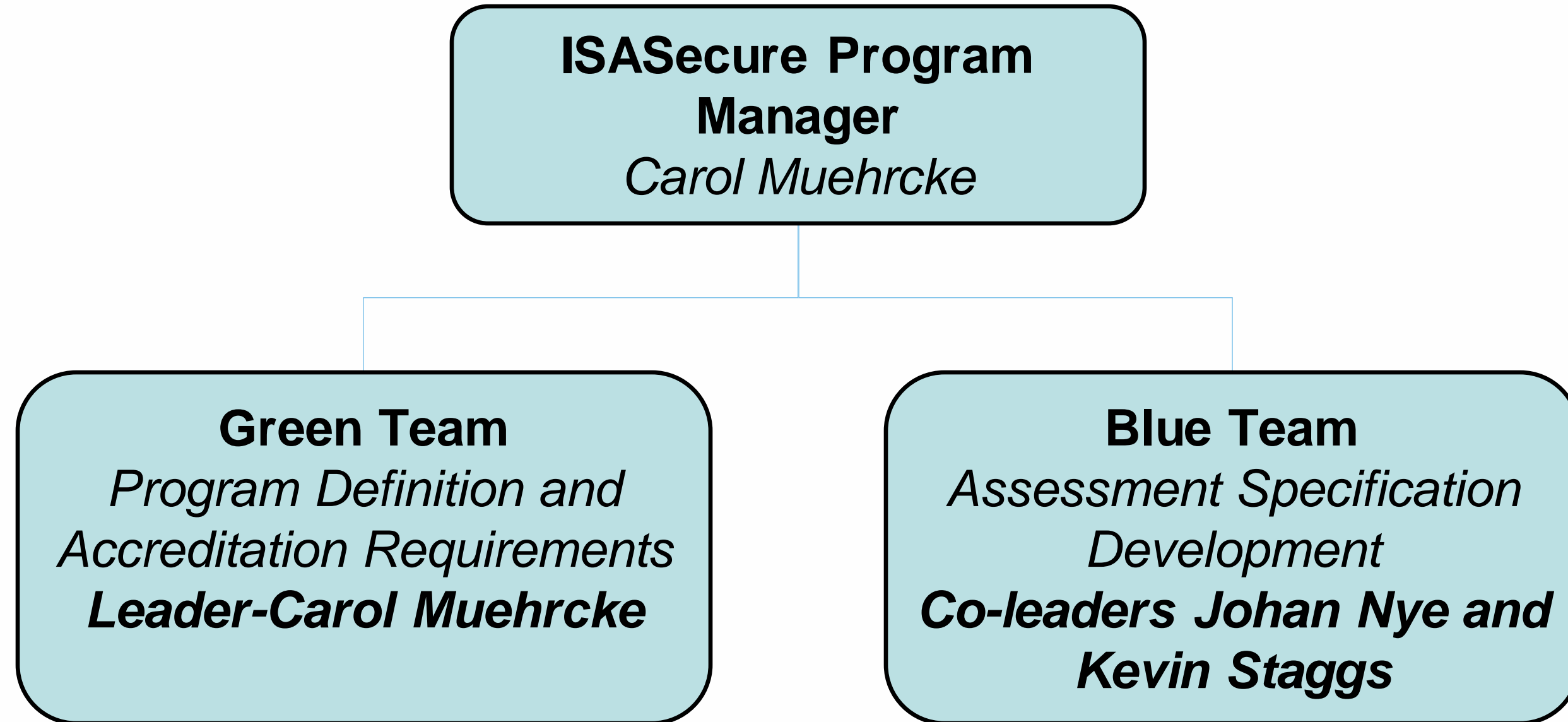
Scope is Automation and Control Systems in Operation

- Security Requirements
- Detailed assessor guidance
- Use of tools and methods
- Certification definition
- Policies and procedures
- Pass / Fail metrics





ACSSA Project Organization



- Work commenced Q3 2023
- Biweekly Blue Team meetings
- Biweekly Green Team meetings
- Meetings interleaved so WG team members can attend both meetings if desired.



Planned Milestone Dates for Phase One

- **Q4 2024 – ACSSA assessment specifications complete**
- **Q4 2024 – ACSSA program definition, policies/procedures, CB accreditation specifications**
- **Q1 2025 – Assessor Training class complete (3-day class)**
- **1H 2025 – ACSSA available for asset owners, consultants, certification bodies**



Cybersecurity Resources at ISA

ISASecure product certifications – <https://www.isasecure.org/en-US/>

ISASecure web page with ACSSA program details <https://isasecure.org/isasecure-site-assessment-0>

ISA Global Cybersecurity Alliance - <https://isagca.org/>

ISAGCA Blogs (tons of great info and free downloads) - <https://gca.isa.org/blog>

ISA/IEC 62443 Training - <https://www.isa.org/training-and-certification/isa-training>

In 2021, ISA established a cybersecurity incident command system for industrial control systems. www.ics4ics.org

Andre Ristaino

ISA Managing Director

Consortia and Conformity Assessment

aristaino@isa.org O: +1 919-990-9222 M: +1 919-323-7660

Elevating OT cybersecurity from an art, to a science, to an engineering discipline

