



International Society of Automation



Automation and Control Systems Security Assurance (ACSSA) Certification

Based on ISA/IEC 62443

For Asset Owners

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Mission and Vision for ACSSA

01

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.

02

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.



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**)



2023 Membership Additions

Asset Owners

GSK (strategic level)

Automation & Technology Suppliers and Service Providers

Trane (strategic level)

SecurityGate

Secuda

IACS Consulting

Interstates

Armexa

Securing Things

CyberPrism

Walnut Creek Consulting

Arcadis

Certification Bodies

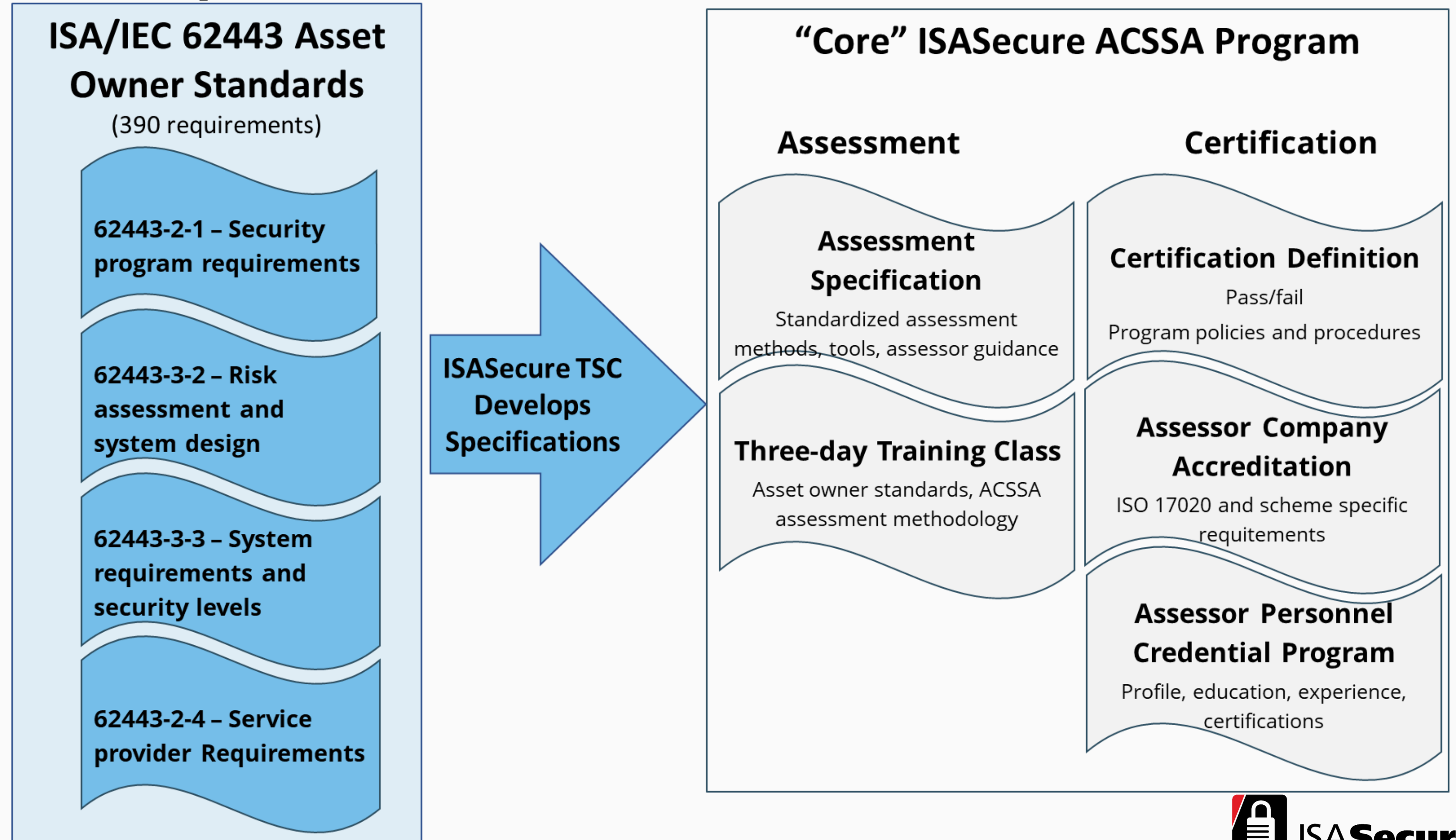
Kaizen

Ikerlan

UL Solutions

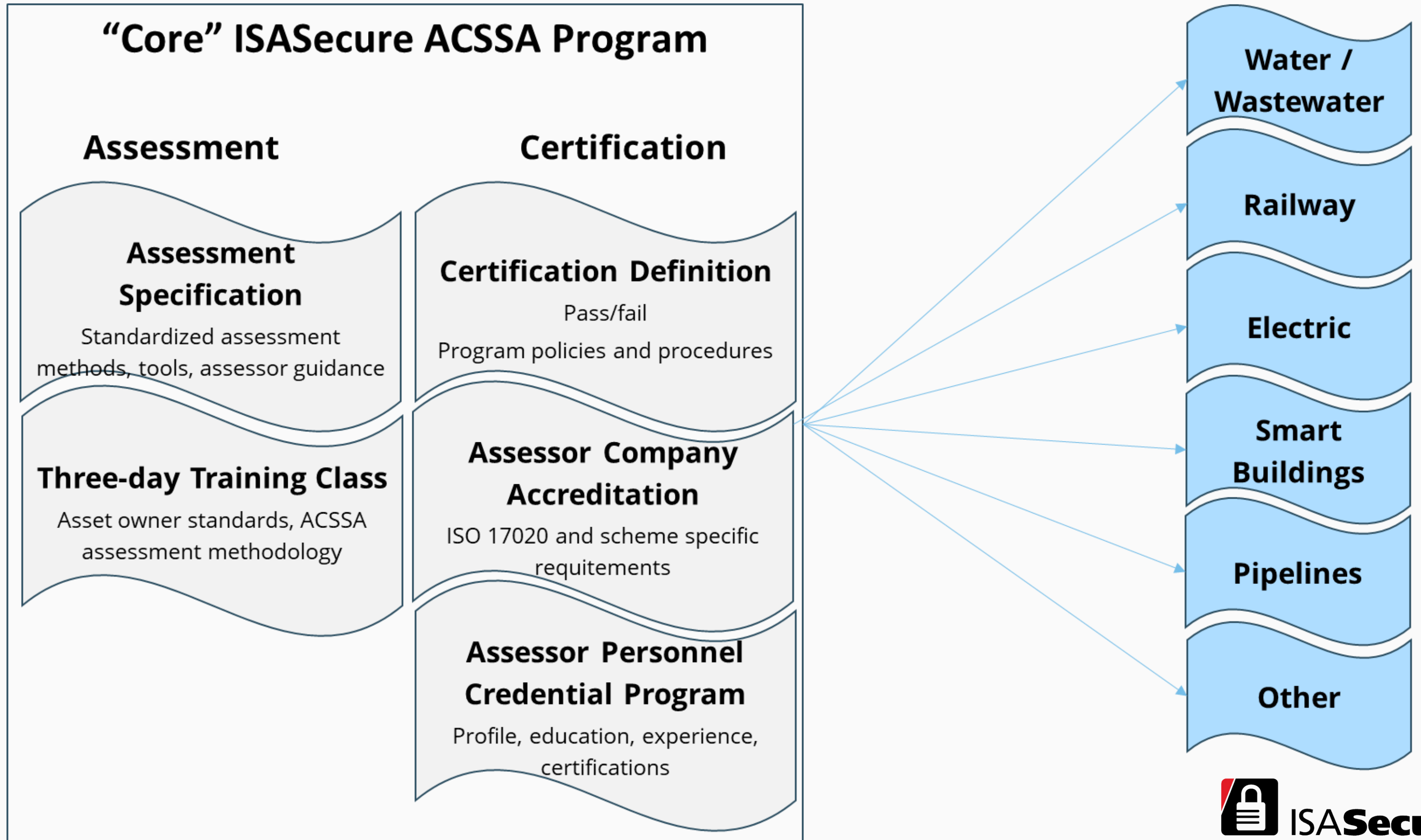


Development of ACSSA Scheme from ISA/IEC 62443





Develop ACSSA Sector Security Profiles





“Core” ISAsecure ACSSA Certification Specification

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

