



IECEx Update on Cyber Security

Agenda Item 5.5

Mr Timothy Duffy





CAB WG 17 Update

- WG 17 Convenor named during CAB
 - Pierre Selva (supported by FR team)
- Scope
 - To investigate the market need and timeframe for CA services (global certification schemes) for products, services, personnel and integrated systems in the domain of cyber security;
 - Excluding the scope of Industrial Automation Applications covered by IECEx CMC working group cybersecurity;
 - To communicate to other industry sectors the generic Cyber Security approach taken by IECEx CMC working group cybersecurity and how this may apply to those other sectors.



IECEE TF Cyber Security

The CMC reviewed the PSC proposal to disband PSC WG 3 Task Force Cyber Security and to create a new Task Force under the CMC. **Decision 13/2016:** The CMC decided to set up a new Task Force under its responsibility for Cyber Security.

The Terms of Reference are:

To make an unique approach for conformity assessment to IEC 62443 series –

- The initial set-up of a guidance Operational Document to describe how the conformity assessment can be handled.
- To describe the use of testing tools (start of instrument list) and test protocols.

Additional areas of work include conformity assessment elements pertaining to Industrial Automation Cyber Security in conjunction with the IEC 62443 series of standards to address the following:

- To track the current status of work coming out of TC 65 WG10, Industrial Automation, to ensure that Standards coming out of TC 65 are relevant to the Certification Market place. This will be accomplished via informal WG 3 liaison with TC 65 (common members).
- To include elements pertaining to Cyber Security related to Industrial Automation.
- To evaluate the need for Personnel certification for Cyber Security.
- To evaluate the need for a “System Level” Certification for Cyber Security of an industrial application.

TF to complete its task by the next CMC meeting. The membership will be the same as in the PSC WG 3 TF Cyber Security.



IECEE TF Cyber Security

- New TF approved – Lee Neitzel named Convenor
 - Convenor TC 65/WG10
- Approved program
- Draft OD is to be balloted by correspondence
- First standard IEC 62443-2-4
 - Draft Electronic Test Report Form (excel file) being completed
 - Draft Certificate format being completed for 62443-2-4
- Workshop being planned
 - includes guidelines for interpreting 62443-2-4 requirements
- Working to have approved by the next CMC meeting (May 2016)
- Next standards to be added soon

ISA 62443 / IEC 62443 – Deliverables

General	Policies & Procedure	System requirements	Component & Product requirements
☆ ISA-62443-1-1 Ed2 [WG3] Concepts and models (Under Revision) Target 2 nd Edition by 3Q14 Published IEC 62443-1-1 (Jul 2009) Publish 2 nd edition 3Q14 (30.92)	☆ ISA-62443-2-1 [WG2] IACS security management system – Requirements Being aligned with ISO 27005-2013 Publish IEC 62443-2-1 3Q15) (30.92)	☆ ISA-TR62443-3-1 [WG1] Security technologies for IACS (Published) (2 nd edition – under development) Published IEC/TR 62443-3-1 (2009) IEC 62443-3-1 (30.92)	ISA-62443-4-1 [WG4] Product Development Requirements (CDV – 3Q16) (IEC comments received) Secure Product Development Lifecycle Requirements Publish IEC 62443-4-1 1Q17
ISA-TR62443-1-2 [WG3] Master glossary of terms and abbreviations (Under Development) Align with Part 3-3 & Wiki IEC 62443-1-2 (00.00)	ISA-62443-2-2 [WG2] IACS security management system – Implementation guidance (Proposed) IEC 62443-2-2 (00.00)	ISA-62443-3-2 [WG4] Security levels for zones and conduits (Draft for IEC comment – 3Q16) Security risk assessment and system design Publish IEC 62443-3-2 1Q18	ISA-62443-4-2 [WG4] Technical security requirements for IACS components (Initial draft – 4Q13) (Sep 2013 comments being resolved) Publish IEC 62443-4-2 3Q17 (20.20)
ISA-62443-1-3 [WG4-TG5] IACS security compliance metrics (Draft TR planned 1Q14) (IEC NP received) IEC 62443-1-3 (50.20)	ISA-TR62443-2-3 [WG6] Patch management in the IACS environment (Published TR planned 4Q14) IEC 62443-2-3 (50.20)	☆ ISA-62443-3-3 [WG4] System security requirements and security assurance levels (Approved) Published IEC 62443-3-3 (Aug 2013) (60.60)	
ISA-62443-1-4 [TBD] IACS security and lifecycle use cases (Proposed) (Lifecycle concept not defined) IEC 62443-1-4 (00.00)	☆ IEC-62443-2-4 [WG10] Security program requirements for IACS service providers Published as IEC 62443-2-4 (June 2015) Amendment 1 being worked on		
☆ ISA-TR62443-0-3 [WG5] Gap Assessment of Part 2-1 (not an IEC Deliverable)			

☆ = published

ISA/IEC 62443



13 Total Deliverables

4 Available Today

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Thank you for your attention

