

DIVISION 25

New Cybersecurity Requirements
for Building Control Systems

SAME Industry Day 2026

CONAN B. SHANNAHAN

90A LLC — NINETY ALPHA



Former ISSM & Fire Alarm Systems Administrator

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NICET IV Fire Alarm Designer



CSAE — Cybersecurity Analytics Expert



Licensed Master Electrician



USSF Supra Coder Council — Civilian Representative



UFC 4-010-06

Cybersecurity of Facility-Related Control Systems

CORE UFC — Applies regardless of funding source

FACILITY-RELATED CONTROL SYSTEMS

Everything networked in your building

Fire Alarm

HVAC Controls

Lighting Controls

UMCS

Electronic Security



UFGS 25 05 11

Cybersecurity for Facility-Related Control Systems

104

PAGES

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IAT LEVEL CERTIFICATION

REQUIRED

30 DAYS

After Notice to Proceed

THE PURDUE MODEL

5-Level Control System Architecture

| | | | |
|-------------------|---------|---------------------|----|
| IT ZONE | LEVEL 5 | Enterprise Network | IT |
| | LEVEL 4 | Business Systems | IT |
| SECURITY BOUNDARY | | | |
| OT ZONE | LEVEL 3 | Site Operations | OT |
| | LEVEL 2 | Supervisory Control | OT |
| | LEVEL 1 | Controllers | OT |
| | LEVEL 0 | Physical Devices | OT |

CYBERSECURITY DESIGN

5-Step Process

1 Identify CIA Impact Levels

2 Select Controls — NIST SP 800-82

3 Map Control Correlation Identifiers

4 Assign Designer Responsibility

5 Document & Submit



It is more cost-effective to implement these security controls starting at design than to implement them on a designed and installed system.

— UFC 4-010-06



AI + BUILDING CONTROLS

The convergence is here.

CONAN B. SHANNAHAN

90A LLC — NINETY ALPHA

Electrical Technology Consulting

Fire Alarm

Industrial Controls

Cybersecurity



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