SECURITY COMPLIANCE FRAMEWORK DOCUMENTATION

DeepShield Systems, Inc.

Last Updated: January 11, 2024

Document Reference: SCF-2024-001

1. INTRODUCTION AND SCOPE

1. This Security Compliance Framework Documentation ("Framework") establishes the comprehensive security compliance requirements and controls implemented by DeepShield Systems, Inc. ("Company") in connection with its industrial cybersecurity and critical infrastructure protection solutions.

2. This Framework applies to all Company operations, products, services, and personnel, with particular emphasis on the Company's proprietary deep-layer security architecture and associated industrial control system (ICS) security solutions.

2. REGULATORY COMPLIANCE STANDARDS

1. The Company maintains compliance with the following regulatory standards and frameworks:

a) NIST Cybersecurity Framework (CSF)

b) IEC 62443 Industrial Automation and Control Systems Security

c) ISO/IEC 27001:2013 Information Security Management

d) Maritime Transportation Security Act (MTSA) requirements

e) Critical Infrastructure Protection (CIP) standards

f) NERC CIP compliance requirements

3. SECURITY ARCHITECTURE AND CONTROLS

1. **Network Segmentation and Access Control**

1.1. The Company implements strict network segmentation between IT and OT environments, utilizing:

- Physical separation of critical networks
- Managed security gateways
- Zero-trust architecture principles

- Role-based access control (RBAC)

2. **Encryption and Data Protection**

2.1. All data transmission and storage implements:

- AES-256 encryption for data at rest
- TLS 1.3 for data in transit
- Hardware security modules (HSMs) for key management
- Secure key rotation protocols

3. **Authentication and Authorization**

3.1. Multi-factor authentication (MFA) is mandatory for:

- Administrative access
- Remote connections
- Critical system operations
- Configuration changes

4. INCIDENT RESPONSE AND RECOVERY

1. The Company maintains a comprehensive Incident Response Plan that includes:

a) 24/7 Security Operations Center (SOC)

b) Automated threat detection and response

c) Incident classification protocols

d) Escalation procedures

e) Customer notification requirements

f) Recovery and continuity measures

2. All security incidents are documented, tracked, and reviewed according to the Company's Incident Management Procedures (ref: IMP-2024-001).

5. AUDIT AND COMPLIANCE MONITORING

1. **Regular Audits**

1.1. The Company conducts:

- Quarterly internal security audits
- Annual third-party penetration testing
- Bi-annual compliance assessments
- Continuous automated security scanning

2. **Compliance Documentation**

2.1. The Company maintains detailed records of:

- Security assessments and findings
- Remediation actions
- Compliance certificates
- Audit trails and logs

6. VENDOR AND THIRD-PARTY MANAGEMENT

1. All vendors and third-party service providers must:

a) Complete security assessments

b) Meet minimum security requirements

c) Sign confidentiality agreements

d) Maintain required certifications

e) Submit to periodic audits

7. TRAINING AND AWARENESS

1. The Company requires:

1.1. Annual security awareness training for all employees

1.2. Quarterly security updates for technical staff

1.3. Incident response drills and tabletop exercises

1.4. Certification maintenance for security personnel

8. COMPLIANCE VERIFICATION AND REPORTING

1. The Company's Chief Security Architect shall:

a) Review this Framework quarterly

b) Update controls as needed

c) Report compliance status to executive management

d) Maintain compliance documentation

e) Oversee audit responses

9. LEGAL AND REGULATORY OBLIGATIONS

1. This Framework is designed to ensure compliance with applicable laws and regulations, including:

1.1. Federal and state cybersecurity requirements

1.2. Industry-specific regulations

1.3. International data protection laws

1.4. Maritime security regulations

10. FRAMEWORK MAINTENANCE AND UPDATES

1. This Framework shall be:

a) Reviewed annually

b) Updated as required by regulatory changes

c) Approved by executive management

d) Distributed to relevant stakeholders

ATTESTATION

The undersigned hereby certifies that this Security Compliance Framework Documentation has been reviewed and approved:

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Dr. Elena Rodriguez

Chief Security Architect

DeepShield Systems, Inc.

Date: January 11, 2024
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Dr. Marcus Chen

Chief Executive Officer

DeepShield Systems, Inc.

Date: January 11, 2024

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