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Impact
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Network downtime and data transmission failure

### Unauthorized access to network segments

Data confidentiality breach.

Unauthorized access, network disruption.

Service disruption or denial of service

Data theft or unauthorized actions

Data loss, unauthorized data access

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## Risk Treatment Implementor

Network Infrastructure Team Lead

## Network Security Engineer

Security Architect / System Admin

## Network Security Engineer

SOC Team / Network Security Engineer

Application Security Lead / DevOps

## App Development Lead

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ISO 27001 Control
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#### A.11.1.4 Protecting Equipment.

#### A.13.1.1 Network Controls

#### A.10.1.1 Cryptographic Controls

#### A.13.1.1 Network Controls

### A.13.1.3 Protection Against Malicious Code

#### A.10.1 Cryptographic Controls.

#### A.14.2 Security in Development and Support Processes.


Response Plan
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Inspect physical infrastructure regularly/ Quickly replace or repair damaged cables.

Configure port security to limit allowed MAC addresses / Monitor network for suspicious MAC activity.

Audit encryption methods used/ Replace weak algorithms with strong, updated ones.

Configure routers to drop packets with invalid IP addresses/ Audit router configurations regularly

Monitor network traffic for abnormal spikes/ Activate DoS mitigation appliances

Enforce use of HTTPS and secure cookies/ Monitor session activities for anomalies

Conduct secure coding training

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