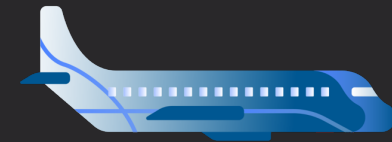


# Robert A. Kalka

# Metropolitan Skypport

Penetration Testing  
Reassessment Debrief

FINALS – XX



Robert A. Kalka

Metropolitan Skypport

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# Agenda

- Introduction
- Test Objectives
- Threats to Security
- Reassessment and Remediation
- Findings
- Compliance
- Business Impact
- Proactive Solution



# Introduction

Team Lead

Asst. Team Lead

Business Consultant

Consultant

Consultant

Consultant

# Test Objectives



**NIST**



# Threats to Airport Security



Ransomware



OT Exploitation



RF Disruption

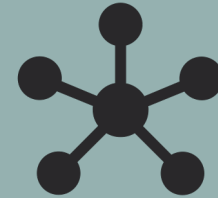
# Reassessment and Remediations



**Web Traffic Encryption**

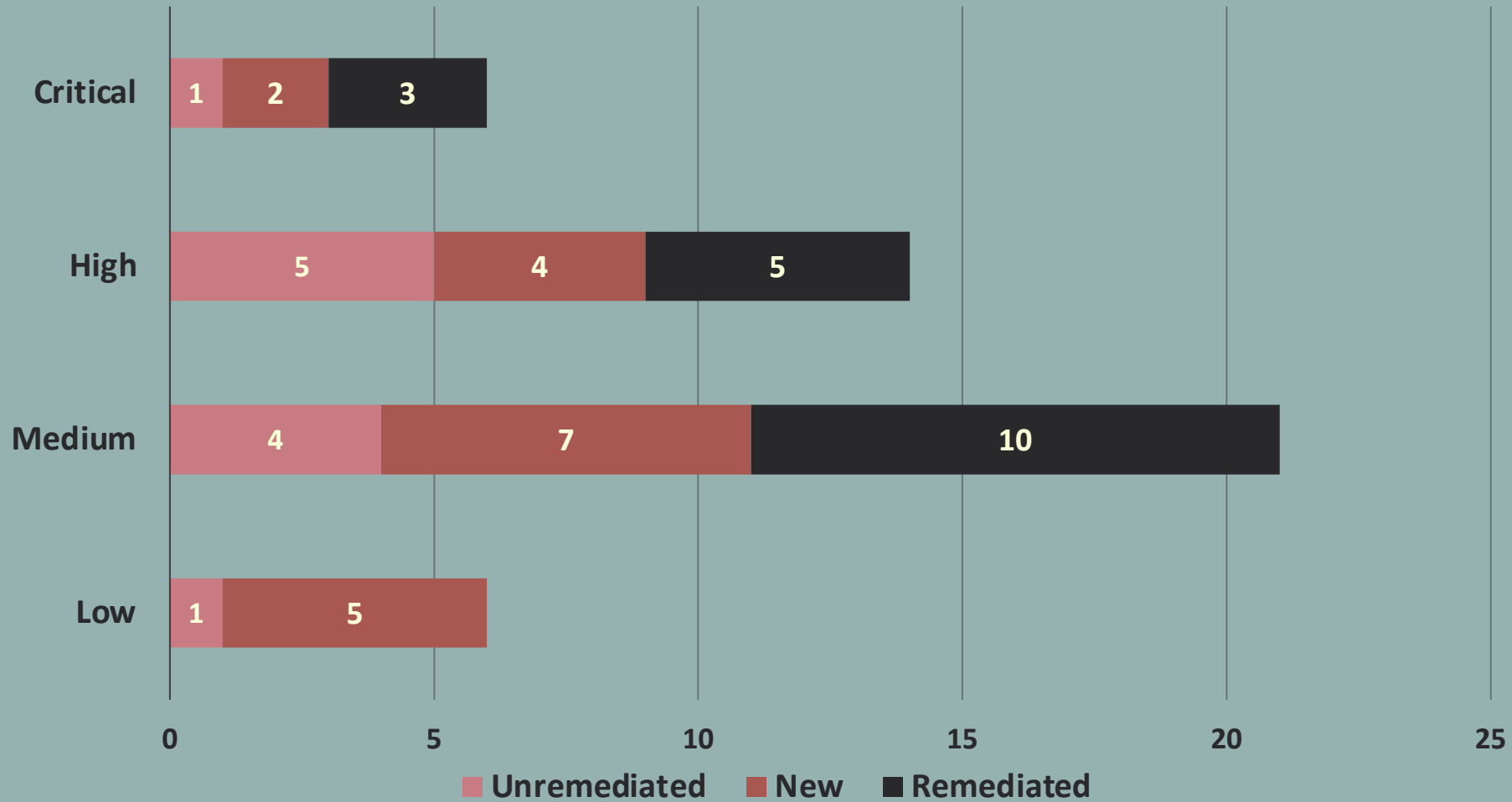


**Permissions  
Management**



**Network  
Segmentation**

# Findings



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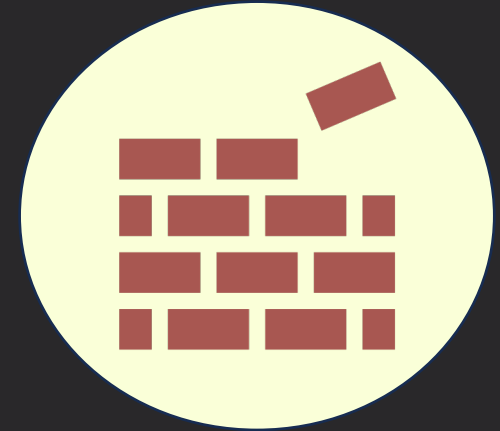
# Key Findings



**Unauthorized Tram  
Control**



**Exposed Boarding  
Pass Barcodes**



**No Firewall**



# Compliance

## Standards Focus

**TSA**

**Network Segmentation**

**Access Control**

**Network Monitoring**

**NIST**

**Reproducible Standards**

**Industry Practices**

**Well-Defined Guidelines**

**PCI-DSS**

**Payment Processing**

**Securing Customer Data**

**Consumer Protections**

# Business Impact

**Vulnerabilities have an annual loss expectancy**

**Vulnerabilities are a recurring risk.**

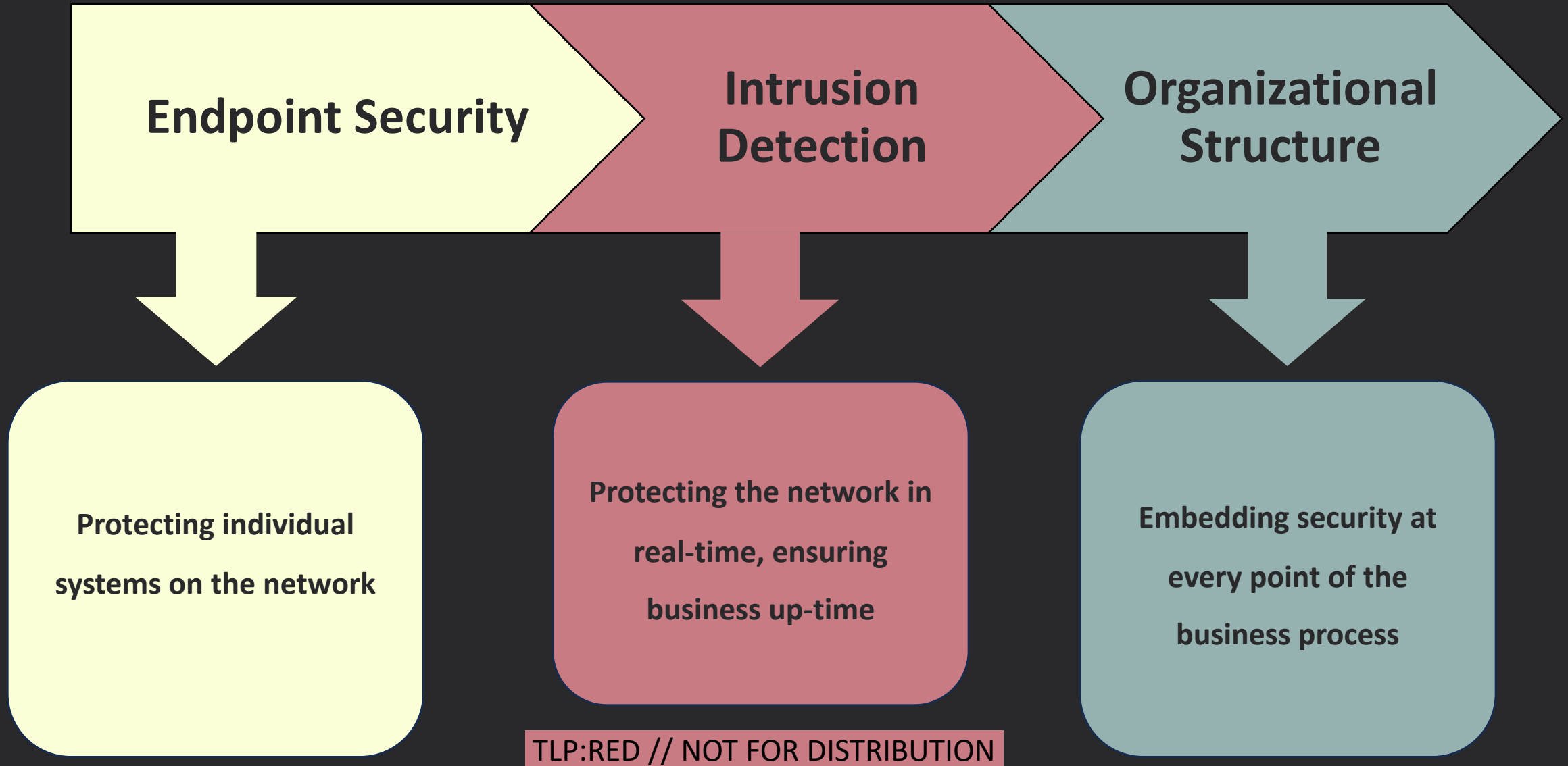
**The longer they persist, the more they cost.**

**Small spending on mitigation goes a long way!**

**Not just monetary, legal!**



# Proactive Solutions



# Questions

