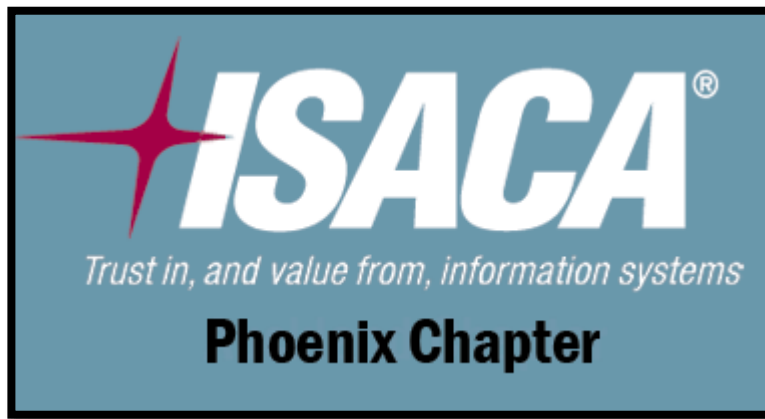


# Protection of Information Assets

FROM SOMEONE WHO BREAKS INTO COMPANIES EVERY DAY

27 February 2014 – ISACA – Phoenix, AZ



Presented by:  
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# Agenda

## OVERVIEW

- Story time
- Domain 5 of the CISA
- Areas Usually Done Correctly
- Areas Done Less Than Correctly
- Limitations
- Summary
- Questions

# Story Time

GATHER AROUND EVERYONE

# A Short Story

THAT IS NOT UNCOMMON



# A Short Story Continued

THAT IS NOT UNCOMMON



# The Short Story Concluded

IT'S ALL FUN AND GAMES UNTIL YOU LOSE YOUR I.P.

1. The external network was well protected
2. Physical entry was trivial
3. Once past the firewall, we had everything

# COMPROMISED

# Protection of Information Assets

DOMAIN 5

# Domain 5

## PROTECTION OF INFORMATION ASSETS

- Importance of Information Security Management
- Logical Access



# Domain 5

## PROTECTION OF INFORMATION ASSETS

- Network Infrastructure Security
- Auditing Information Security Management Framework

# Domain 5

## PROTECTION OF INFORMATION ASSETS

- Auditing Network Infrastructure Security
- Environmental Exposures and Controls

# Domain 5

## PROTECTION OF INFORMATION ASSETS

- Physical Access  
Exposures and  
Controls
- Mobile Computing

# Areas Usually Done Correctly

A SHIFT TO A FEW PARTS OF THE DOMAIN

# Areas Done Correctly

## PROTECTION OF INFORMATION ASSETS

- Importance of Information Security Management
- Logical Access
- Network Infrastructure Security\*
- Auditing Network Infrastructure Security\*

# Areas Done Less Than Correctly

A FEW MORE PARTS OF THE DOMAIN

# Areas Less Than Correct

## PROTECTION OF INFORMATION ASSETS

- Auditing Information Security Management Framework
- Environmental Exposures and Controls

# Areas Less Than Correct

## PROTECTION OF INFORMATION ASSETS

- Network Infrastructure Security\* \*
- Auditing Network Infrastructure Security\* \*

\* \*Internal Network



# Areas Less Than Correct

## PROTECTION OF INFORMATION ASSETS

- Physical Access  
Exposures and  
Controls
- Mobile Computing

# Limitations

IF IT WAS EASY, IT WOULD ALREADY BE DONE

# The Real World

IT'S NOT ALL UNICORNS AND RAINBOWS

- Budgets
- Time
- Knowledge
- Management

# Summary

BRINGING IT FULL CIRCLE

- Protection of Information Assets
- Areas Usually Done Correctly
- Areas Done Less Than Correctly
- Limitations

# Key Highlights

IF YOU ONLY WALK AWAY WITH THREE THINGS

1. Each subdomain is **equally important**, but every business has their own areas on which they need to **focus**
2. Sharing **information** and past **lessons** learned is necessary for our industry
3. There will be **obstacles**, and they need to be **overcome**

# Thank You

Bishop Fox – see for more info:  
<http://www.bishopfox.com/>

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