Successful Cyber Security Awareness Programs

IACC 2018 Annual Conference

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Gov. Eric J. Holcomb

Indiana Cybersecurity Hub
Taking Cyber in Indiana to the Next Level

Business

Government

Education

Individual

Assess Yourself

Indiana Cyber Strategy

GOVERNMENT

Residents have entrusted their elected officials and government employees with important data. This includes medical records, tax assessment data, property records, court records, personnel staffing records, criminal justice records, surveying records and more. This is especially true for those governmental agencies that manage the utilities.

Use the following resources to get up to speed on the cybersecurity environment and learn how to improve your government's cyber posture.

Assess Yourself	Best Practices, Standards & Resources	Elections	Cyber Threat Sharing
Emergency Response and Recovery	Workforce Development for Cybersecurity		

Information Sharing and Analysis Center

Providing Real-time Network Monitoring
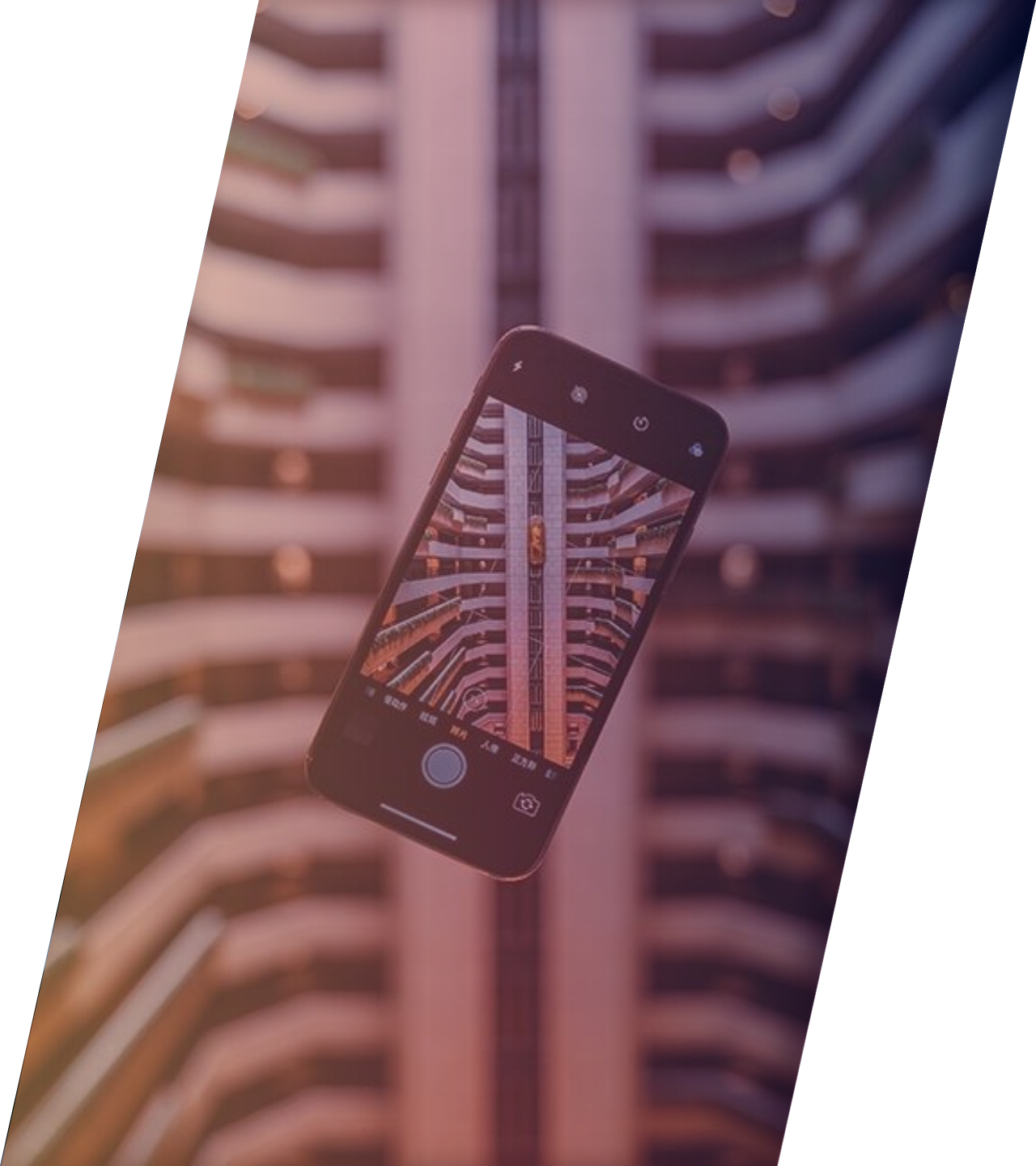
ISAC

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What is Hamilton County Doing?

Security Programs/Measures

- End user awareness training – required monthly

- Multi-Factor for all Public Safety users (considering everyone)

- PC Security Policies
    - Automatic locking when PC is idle
    - Virus updates every 4 hours
    - Windows/Security updates monthly

- Advanced email scanning for malware/viruses

- Network logging and analytics

- Phishing exercises and reporting to departments

- Mobile Device Management/Encryption

- Daily/Weekly/Monthly backups – Offsite and Tested

Ron Pelletier

Motivations & Mitigations

What Motivates Bad Actors?

- **Street Cred** – Proving they can do it for their own ego

- **Hactivism/Denial of Service** – Keeping you from operating

- **Steal & Use Your Data** – Corporate espionage is alive and well

- **Steal & Sell Your Data** - Identities/cards sold on the dark web

- **Steal Your CPUs & Bandwidth** – Cryptojackers are spiking

- **Steal Your Money** – Tricking someone into giving it up

- **Hold Your Data Hostage** – Ransomware has made big headlines

Mitigate Your Risk by Reducing Your Attack Surface

Don't try to outrun the *bear*!
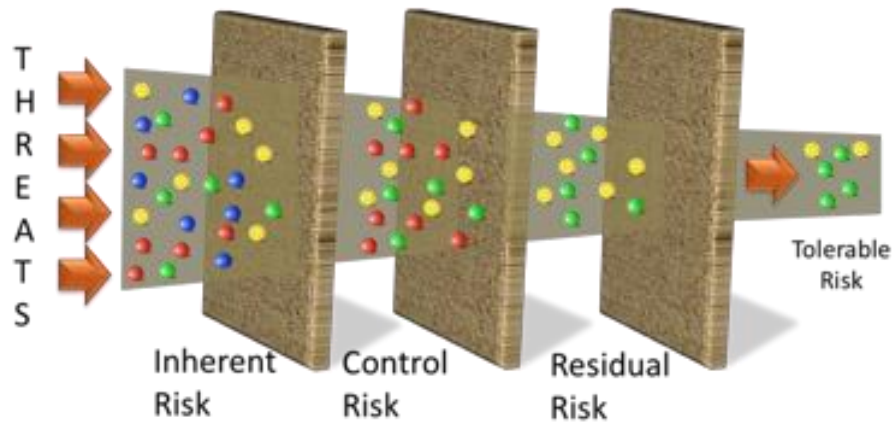
A thorough Enterprise Risk Analysis is Key

What do I have?
  Who would want it?
    How would they get it?
      What is the likelihood and impact?

- **Mobile Disk Encryption** – Lose a device? No problem!

- **Vulnerability Management** – Moving target? Move with it!

- **Multi-Factor Authentication** – A password just isn't enough

- **Next-Gen Antivirus** - Signatures are for suckers!

- **Threat Hunting & Response** – You need people to counter people

- **User Awareness Training** – Even Ft. Knox can be breached if people can be fooled

THANK YOU

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