

Mesa Cyber Resilience

Mayor-Council Presentation



SCADA



**Mesa
Enterprise**



...Many faces (REAL HACKERS).



...Mesa's systems are heavily attacked

How much do HIPAA violations cost?

HIPAA violations are expensive. The penalties for noncompliance are based on the level of negligence and can range from \$100 to \$50,000 per violation (or per record), with a maximum penalty of \$1.5 million per year for violations of an identical provision. Violations can also carry criminal charges that can result in jail time.



DELL

After being warned—Atlanta suffers \$17M

Aug 01, 2018

By **Stephen Deere**, The Atlanta Journal-Constitution



The cyber attack that struck the City of Atlanta in March could cost taxpayers as much as \$17 million, according to a report obtained by The Atlanta Journal-Constitution and Channel 2 Action News.

The seven-page document — marked “confidential and privileged” — identifies roughly \$6 million in existing contracts along with an additional \$11 million in potential costs associated with the March 22 attack.

“...a sophisticated

Feder Invest

1,189 views | Apr 18, 2018, 07:15am

Cities Are Facing A D Cyberattacks, And T Is Yet To Come

Cities MUST Take Cybersecurity Th

City of Mesa has significant elder population

“A cyberattack of devastating
at a matter of

Approximately 16% of Mesa's population is over the age of 65 while the 65-years plus numerous
population in other Southeast Valley cities (except Scottsdale) accounts for 10% or less
s believe.”
than of their total residents.



TYPES OF CYBER ATTACKS



- Malware
- Phishing
- Zero-day



- Availability Attacks
- Brute force



Mesa Response



- ❖ **Strategic Focus**
- ❖ **Programs**
- ❖ **Projects**
- ❖ **Operations**
- ❖ **Training**





Mesa Funding & Partnerships



FUNDING

- GOVERNMENT
 - American Rescue Plan Act (ARP)
 - Urban Areas Security Initiative (UASI)
 - City of Mesa

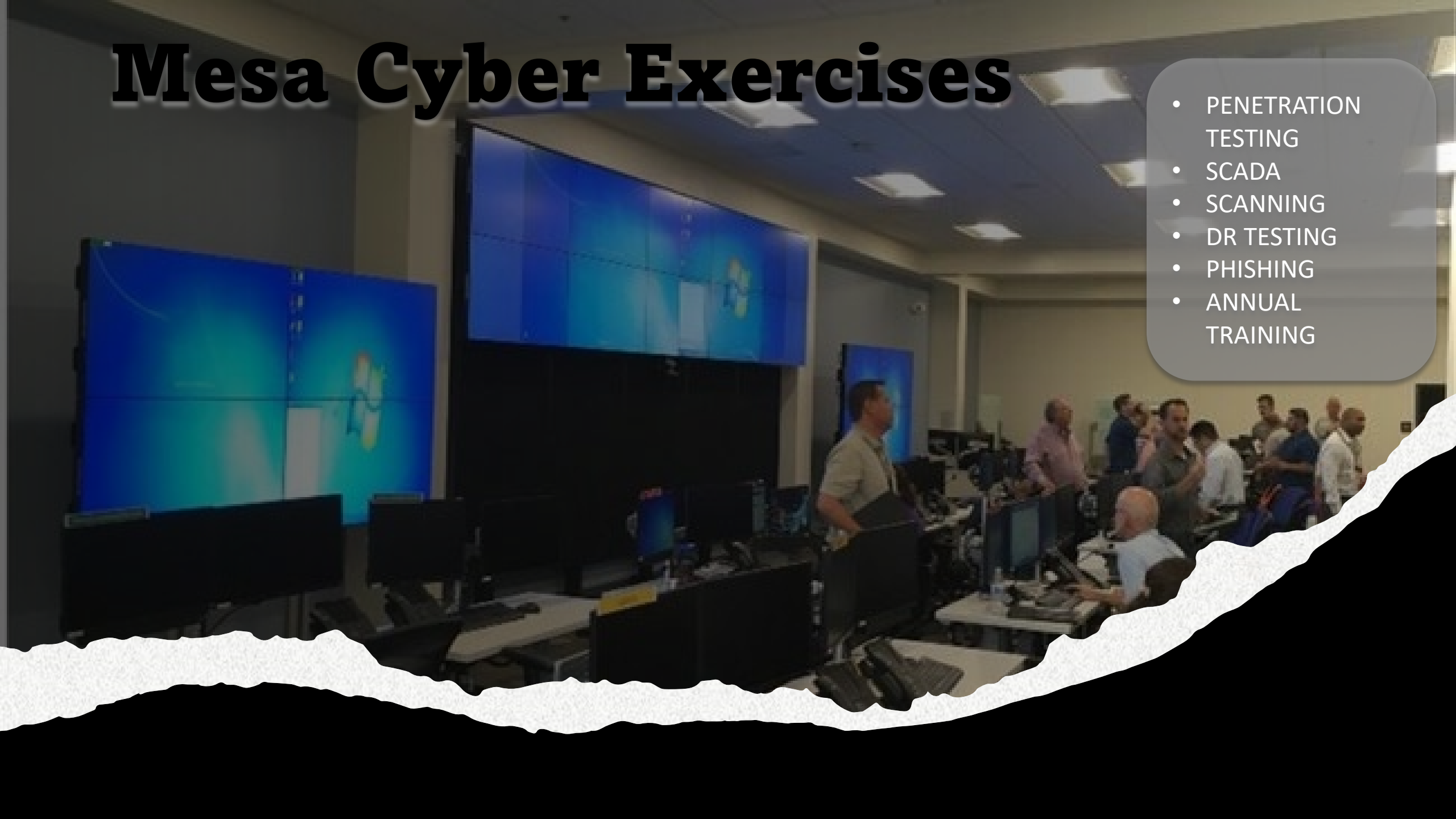
PARTNERSHIPS

- Multi-State Information Sharing and Analysis Center (MS-ISAC)
- Cybersecurity and Infrastructure Security Agency (CISA) – Department of Homeland Security (DHS)
- Other Agencies
- Vendors



Mesa Cyber Exercises

- PENETRATION TESTING
- SCADA
- SCANNING
- DR TESTING
- PHISHING
- ANNUAL TRAINING



Thank you for your time!

CYBER RESILIENCE

