



ARIZONA CYBERSECURITY TEAM MINUTES

December 20, 2018

9:00 AM

1700 West Washington Street,
Governor's 2nd Floor Conference Room
Phoenix, Arizona 85007

A meeting of the Arizona Cybersecurity Team (ACT) was convened on December 20, 2018 at 9:00 AM in the 2nd Floor Conference Room, 1700 West Washington, Phoenix, Arizona 85007. Notice having been duly given. Present and absent were the following members of the Council:

Members Present

Mike Lettman (Co-Chairperson)	Austin Kennedy
Frank Grimmelmann (Co-Chairperson)	Christine Figueroa
Tim Roemer	Tina Slankas
Morgan Reed	Brian Mueller
Gil Orrantia	Jon Haass
Jason Isaak	Dane Mullenix
Linda Medler	Sandra Watson
Kathleen Fernandez	Michael McGuire
Shay Stautz	
Martin Hellmer	
Frank Milstead	

Members Absent

David Boynton
Michele Reagan
Jeff Weninger
Bob Worsley

Staff Present

Megan Fitzgerald

1. Call to Order

Mr. Mike Lettman called the meeting to order at 9:06 AM.

2. Governor's Opening Remarks

Mr. Tim Roemer gave opening remarks and welcomed those in attendance on behalf of Governor Ducey.

Mr. Roemer thanked all of the members of our Arizona Cybersecurity Team for meeting before the holidays. The Governor created this team almost one year ago because of his concern about the threats that we face in cybersecurity every day. The governor is happy with the progress of the team so far. Arizona is doing some things very well, including having these important conversations and meetings to break down silos of information sharing, but the state can always do better. Mr. Roemer again thanked the team members for being a part of the effort to provide solutions and continuing to move Arizona forward as a cyber leader in the nation.

3. Team meeting minutes

Minutes from previous meetings will be reviewed by members before the March meeting.

4. Cyber Threat Briefing

Mr. Lettman began the briefing by reviewing recent attacks, cybercriminal tactics, and targets. He then discussed the breaches at popular businesses including Dunkin Donuts, Starwood, Dell, Save the Children, USPS, and Nordstrom. The recent investigation results of the Equifax breach show that devastating costs of such breaches are preventable. The congressional investigation said that the Equifax incident likely could have been prevented.

The state of Arizona uses cybersecurity standards including Cloud Service Alliance (CSA) which incorporates the NIST framework and CIS Top 20, along with tools including RiskSense to assess vulnerabilities.

Mr. Lettman identified that the most significant issue in cybersecurity is the need to secure systems while maintaining efficacy. Cybersecurity professionals and executives regularly weigh the impacts of threats and security measures against monetary and security costs; identifying the Security Curve.

Solutions to the issue are in the cybersecurity cycle; Identify, Protect, Detect, Respond, and Recover. Mr. Lettman outlined Arizona's Security Plan to best implementing this cycle: Build cyber visibility, Fill security gaps, and Reduce overall enterprise cyber risk. Mr. Lettman finished by emphasizing the importance of information sharing within the Arizona cybersecurity community.

5. New Technology Subgroup Chair Presentation And Discussion

Co-Chairs, Mr. Gray and Mr. Hansen, presented on the New Technology subgroup. Mr. Gray and Mr. Hansen discussed the Tech Futures Charter. The charter outlines the responsibilities of the subgroup as identifying cyber threats, identifying issues of concern, and recommending actions to improve experiences with Smart Cities, IOT (internet-of-things) devices, autonomous products. The subgroup also looks at Cloud Computing, Blockchain Technologies, Artificial Intelligence, and Increasing Costs to Attackers. The co-chairs presented on the group's decision to adopt formats similar to the Amazon '6-Page'. The Amazon-style document standardizes formatting to increase the impact of research conducted. The subgroup has

included three new members since the October meeting; Jennifer Calovini, Rebecca Ruegg, Dr. Jordan Selzer, MD.

The co-chairs discussed recent cyber news, the Marriott security breach, which exposed data of up to 500 million guests, Amazon introducing the AWS Security Hub, and the Dept. of Defense announcing the expansion of "Hack the Pentagon" crowdsourced security program. Mr. Gray and Mr. Hansen also laid out the eight priorities of the subgroup. These eight include "Universal" Phone Number, Data Privacy, Increasing Costs to Attackers, Critical Infrastructure, Physical Harms from IOT and AI Devices, "Off Switch," Bug Bounty "Sandbox," and a Cloud Computing "Filter" or "Digital Border."

Mr. Gray and Mr. Hansen outlined the work the subgroup has currently on the Universal Phone Number, increasing costs to attackers, and the Bug Bounty "Sandbox." The co-chairs also presented draft solutions for these priorities. Draft solutions included Universal Phone Number (x11) State might adopt universal number and AI system as a universal phone number to handle cyber incidents or concerns, making reporting frictionless and less risky to improve reporting, and modeling the Bug Bounty "Sandbox" after the "Hack the Pentagon" program.

6. Intel Sharing subgroup chair presentation and discussion

Co-Chairs, Ms. Thorstenson and Mr. Fish, presented the subgroup charter. The charter outlines the responsibilities of the subgroup as identifying cyber threats and issues of concern with cyber intel sharing and recommending actionable items for citizens, government and business to take to improve the cybersecurity, cooperation, and visibility of threats in Arizona.

Ms. Thorstenson and Mr. Fish discussed the Core Ideas for citizens, government and businesses. The co-chairs presented the core ideas for citizens, including a sub-committee focusing on citizen recommendations, providing Arizona citizens with necessary cyber information and feedback channels, calling businesses and partners to act in their communities, providing options to citizens to help understanding and handling of cyber issues, and developing communication plans for diverse audiences.

The core ideas for government included providing clear and consistent documentation of government's roles and responsibilities in cyber, to formalize intelligence sharing mechanisms that can expand to the private sector, the creation and dissemination of service catalogs and basic templates for cyber awareness and response, and physical spaces for these ideas.

The core ideas for businesses presented by the subgroup include providing a decision tree for intelligence sharing, using the intelligence sharing mechanisms and expanding their implementation across Arizona businesses, creating a repository to share resources and information, and physical space.

7. Workforce Development subgroup chair presentation and discussion

Ms. Mellor presented to the group on economic and workforce development efforts of the workforce development subgroup. Ms. Mellor discussed the sub group's efforts to recruit new and existing talent and industries. The subgroup has been working to create a target list for local business leaders for global attraction, creating incentive-based behaviors to look at regulatory and economic strategies, use what is already working by launching a proactive awareness campaign to market what already exists and

highlighting Arizona. Along with these, the subgroup is working on attracting international and national events surrounding cybersecurity and the cyber community to Arizona.

Ms. Mellor identified some next steps the subgroup would like to see addressed. The subgroup is looking into creating a cyber speakers bureau for the state. The subgroup is looking into who would be on it, and what are the key targeted messages that keep the team on message and consistent. The subgroup is also looking to do an inventory of current efforts across the state. This subgroup aims to compile all relevant market data and conduct a labor market analysis.

The education efforts are focusing on K-12 institutions and integrating cyber-hygiene best practices into the curriculum and the teaching opportunities. Ms. Mellor suggested a teacher pairing program where teachers and cyber experts collaborate to engage and teach students.

8. Open Discussion of Additional Items

Mr. Haass asked that team members receive a preview of the information so that we can interact more efficiently before future meetings.

Ms. Fernandez discussed the issues in hiring a CISO in Yuma including procurement processes and barriers to the long-term sustainability of grant-funded positions.

Ms. Slankas reminded the group of the upcoming National Homeland Security Conference in Phoenix June 17-20 at the Phoenix Convention Center and announced that she is still looking for assistance and sponsors.

Mr. Reed asked what the group can do moving forward, what can the group provide for the state and the Governor in the next year.

Ms. Medler recommended the subgroup chairs meet before the ACT meetings for increased synergy.

9. Administrative items

- Future Meeting Dates (9-11:00 Mar 21, 2019)

10. Call to Public

No members from the public requested to speak.

11. Adjournment

Meeting adjourned at 10:57 AM.