Monitoring SB 475

• DIR tasked with establishing a volunteer incident response team
  • Could be deployed at the request of a participating entity or declaration by the governor of a state of disaster caused by a cybersecurity event

• DIR tasked with establishing regional network security centers
  • Success of the first security center would decide if additional ones would be created
  • Provide cybersecurity support and network security to eligible entities that elect to participate

• Bill contains other cyber requirements aimed only at State agencies and Higher-Ed
Ransomware (it’s not going anywhere)

• US Education Dept urged to boost K-12 schools' ransomware defenses
  • 2019 saw 3 time more ransomware attack than 2018
  • 2020 had 1,681 reported ransomware attacks (18% increase over 2019)
  • 2021 had 1,000 reported attacks, but trend shows that these were at smaller schools

• Expect more cyber compliance requirements to come down from US Education Dept.
Ransomware Protections

- Email is still #1 way ransomware spreads
  - Use email protection gateways, do not rely only on O365/GSuite spam protections
  - Enable SPF, DKIM, & DMARC for your domain
    - 95% of Region One Districts and Charters now have at least SPF enabled
    - Goal is to match that by August 2022 for DKIM & DMARC protections
- Patch management is critical to preventing ransomware infections
  - Get rid of all EOL Operating Systems and applications, update everything else
- Vulnerability scans are how you validate that you did not miss anything
- If your protections miss
  - Anti-Malware software is your next best line of defense
  - Privileged access management
  - Security Awareness Training
  - Backups are your last hope
Cyber Insurance

• Prices are going up
• Requirements are getting stricter
  • More are requiring MFA

Suburban School Cooperative Insurance Program (SSCIP) is an insurance pool allowing school districts to join together to negotiate better insurance rates and lower management fees.

Region One Security Email List
securitygroup@gls.esc1.net

- Information Security Focused
- Share threats, intelligence, IOCs, etc.
- Regional Collaboration: bounce ideas or ask questions
- Keep each other informed on cyber related topics
- List is not moderated
  - Please be professional and courteous
- Members include Region One District/Charter Tech and Cyber Coordinators and includes security staff from STC, UTRGV and DHR.
- Although the list is not open to all public, please be mindful of the information that is shared to the group.
- Email me if you are not already on the list. (danramirez@esc1.net)

Helps Meet TCF: 8
Project ESDD

• Project ESDD (Email, SPF, DKIM, DMARC)
  • Phase 1: Ensure all Region One Districts have SPF
  • Phase 2: Help Districts Enable DKIM and DMARC
  • Phase 3: Enable reporting and move DMARC policy from “quarantine” to “reject”
• Visibility, Domain Reputation Protection, Security

Email Maturity

SPF → DKIM → DMARC

Helps Meet TCF: 29, 32, 36
Increase K-12 MS-ISAC Membership
What is an **ISAC**? (Information Sharing & Analysis Center)

• Information Sharing and Analysis Centers (ISACs) help critical infrastructure owners and operators protect their facilities, personnel and customers from cyber and physical security threats and other hazards.

• ISACs collect, analyze and disseminate actionable threat information to their members and provide members with tools to mitigate risks and enhance resiliency.
There are currently 21 ISACs

Source: https://www.nationalisacs.org/member-isacs
There are currently 26 ISACs
Who is MS-ISAC?

The Multi-State Information Sharing and Analysis Center (MS-ISAC) is a focal point for cyber threat protection, response and recovery for the nations State, Local, Tribal and Territorial (SLTT) governments.

The MS-ISAC’s 24x7 cyber security operations center provides:

- real-time network monitoring
- early cyber threat warnings and advisories
- vulnerability identification and mitigation
- incident response services

The U.S. Department of Homeland Security has designated the MS-ISAC as its key cybersecurity resource for SLTTs, including Chief Information Security Officers, Homeland Security Advisors and Fusion Center Directors. The MS-ISAC membership is open to all SLTT government entities.
**Mission Statement:** Connecting districts across the country with a common goal of improving the overall cybersecurity posture of all school districts in the US.

**Goals:**

- Repository of information related to K-12 cybersecurity needs
- Align goals and objectives with other MS-ISAC workgroups
- Develop key guides, policies, procedures and white papers
- Share real-time cyber threats, incidents and breaches impacting K-12
- Connect schools with appropriate Federal, State and Local level resources
K-12 MS-ISAC Enrollment Guide

Join MS-ISAC
https://www.cisecurity.org/ms-isac/k-12

New Member Actions

- Add additional staff members to MS-ISAC disseminations [A1]
- Submit public IPs and domains to SOC@cisecurity.org [A2]
- Complete registration for MS-ISAC Community of Interest on the HSIN Portal [A3]

Receive welcome email from MS-ISAC Account Manager

Member added to MS-ISAC email lists: advisories, threat reports, etc.

MS-ISAC No-Cost Services

3rd Party No-Cost Services
(MS-ISAC Partners)

CIS/MS-ISAC Paid Services
### Services Included with Membership

<table>
<thead>
<tr>
<th>Included Services</th>
<th>Included Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>24/7 Security Operation Center</td>
<td>Weekly Top Malicious Domains/IP Report</td>
</tr>
<tr>
<td>Incident Response Services</td>
<td>Monthly Members-only Webcasts</td>
</tr>
<tr>
<td>Cybersecurity Advisories and Notifications</td>
<td>Access to Cybersecurity Table-top Exercises</td>
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<tr>
<td>Access to Secure Portals for Communication and Document Sharing</td>
<td>Vulnerability Management Program (VMP)</td>
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<tr>
<td>Cyber Alert Map</td>
<td>Nationwide Cyber Security Review (NCSR)</td>
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<tr>
<td>Malicious Code Analysis Platform (MCAP)</td>
<td>Awareness and Education Materials</td>
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</table>
IM JUST HERE TO GET FREE STUFF
Membership has its privileges!
Region One MS-ISAC Survey

• I’d like everyone to complete the survey
• Even if you are already an MS-ISAC member
• Survey Link: https://forms.office.com/r/H88y4y0bvU
Questions?

Region One ESC
Division of Technology for Learning