

# Jeremy Bullock Safe Schools Summit



## Proactive Strategies for Cyber Resilience in Montana's Schools



# CISA

**CYBERSECURITY &  
INFRASTRUCTURE  
SECURITY AGENCY**



# Jeremy Bullock Safe Schools Summit



Agenda: CISA, Services & Partners, Workshop- Vulnerability Scanning, Cyber Grants, Incident Response Plan



# CISA

**CYBERSECURITY &  
INFRASTRUCTURE  
SECURITY AGENCY**

# Cybersecurity and Infrastructure Security Agency (CISA)

## VISION

Secure and resilient infrastructure for the American people.

## MISSION

Lead the national effort to understand, manage, and reduce risk to the nation's cyber and physical infrastructure.





# CISA's Core Capabilities

## AT A GLANCE



PARTNERSHIP DEVELOPMENT



INFORMATION AND DATA SHARING



CAPACITY BUILDING



INCIDENT MANAGEMENT & RESPONSE



RISK ASSESSMENT AND ANALYSIS



NETWORK DEFENSE



EMERGENCY COMMUNICATIONS

# 16 Critical Infrastructure Sectors

## Education Infrastructure is Critical Infrastructure

 CHEMICAL	CISA	 FINANCIAL	Treasury
 COMMERCIAL FACILITIES	CISA	 FOOD & AGRICULTURE	USDA & HHS
 COMMUNICATIONS	CISA	 GOVERNMENT FACILITIES	DHS & GSA
 CRITICAL MANUFACTURING	CISA	 HEALTHCARE & PUBLIC HEALTH	HHS
 DAMS	CISA	 INFORMATION TECHNOLOGY	CISA
 DEFENSE INDUSTRIAL BASE	DOD	 NUCLEAR REACTORS, MATERIALS AND WASTE	CISA
 EMERGENCY SERVICES	CISA	 TRANSPORTATIONS SYSTEMS	TSA & USCG
 ENERGY	DOE	 WATER	EPA

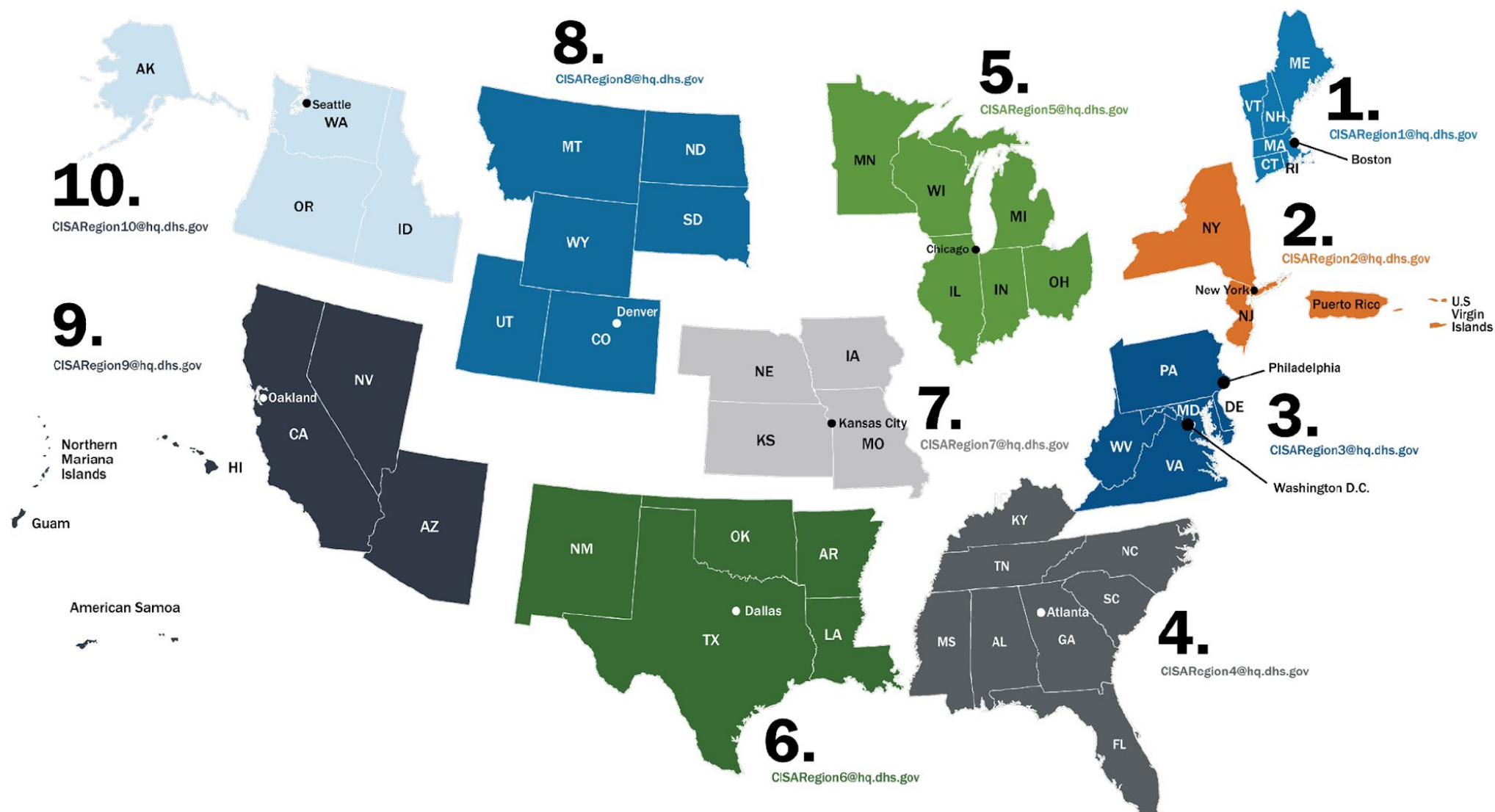


The Education Facilities Subsector covers pre-kindergarten through 12th grade schools, institutions of higher education, and business and trade schools.



# CISA Regions

- 1 Boston, MA
- 2 New York, NY
- 3 Philadelphia, PA
- 4 Atlanta, GA
- 5 Chicago, IL
- 6 Dallas, TX
- 7 Kansas City, MO
- 8 Denver, CO
- 9 Oakland, CA
- 10 Seattle, WA



# CISA Region 8 – Montana Cadre

## CISA Cyber Security Advisors

**Joe Frohlich**

*Cybersecurity State Coordinator (CSC)  
State & Local Government,  
K-12, Higher Education  
Helena*

**Travis Light**

*Cybersecurity Advisor (CSA)  
Critical Infrastructure Focus  
Helena*

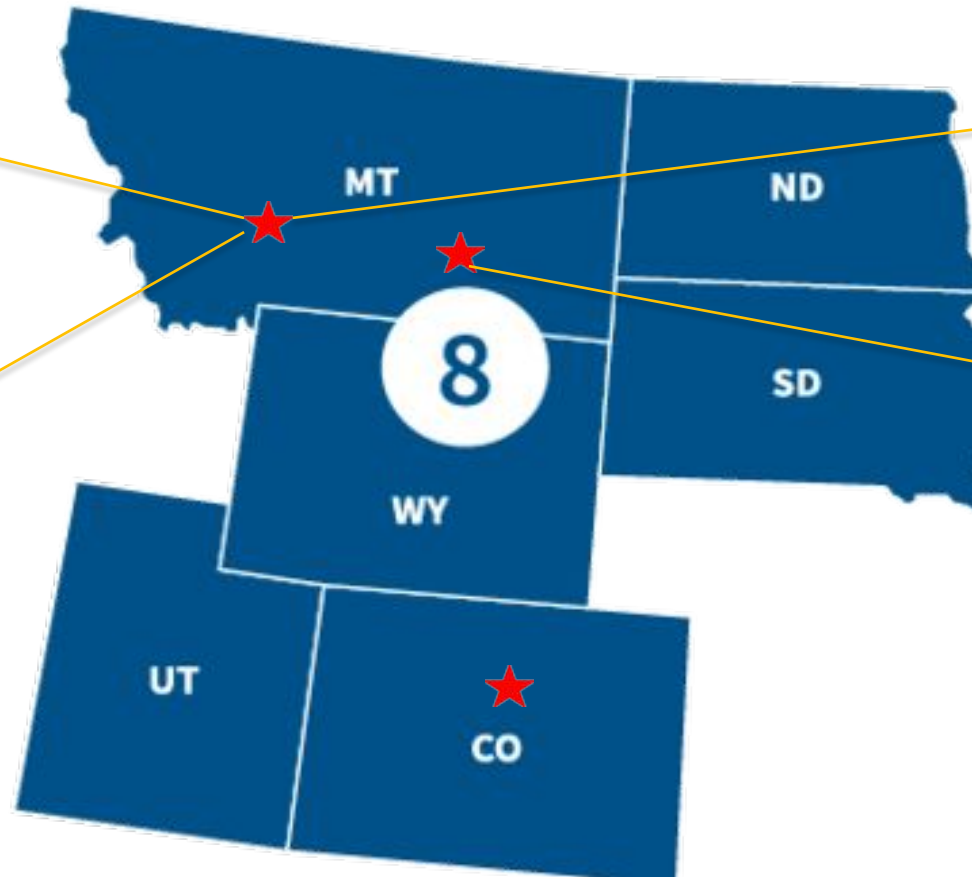
## CISA Protective Security Advisors

**Randy Middlebrook**

*Protective Security Advisor (PSA)  
Helena*

**Albert Mendoza**

*Protective Security Advisor (PSA)  
Billings*





# Contact Information

## CISA Contact Information

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## General Inquiries

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# Who's Job is it for Cybersecurity?



# Is your School or District Above or Below the Cybersecurity Poverty Line?





# The Threat is Real – Here in Montana



## How Havre Public Schools Handled A Ransomware Attack

Yellowstone Public Radio  
Published February 19, 2020 at 4:13 PM MST



## Montana State University Ransomware Attack, Hackers Steal Over 100GB Data

The cyberattack has disrupted MSU's services, and the University Information Technology (UIT) team is working to restore the services.

by Ashish Khaitan — May 2, 2023 in Data Breach News, Firewall Daily



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PRIVACY & SECURITY

## Schools Are a Top Target of Ransomware Attacks, and It's Getting Worse

By Lauraine Langreo — August 17, 2023 3 min read

## Butte School District loses money in cyber crime

by NBC Montana Staff | Fri, February 3rd 2023 at 3:31 PM  
Updated Fri, February 3rd 2023 at 6:21 PM



## Ransomware affects T. Falls school district

Annie Wooden | Sep 12, 2019



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## Butte School District shuts down computer network after system compromised

## Montana schools still vulnerable to cyber attacks, experts warn

Matt Hoffman Aug 29, 2019

SPECIAL REPORT SPOTLIGHT

## Ransomware criminals are targeting nation's schools, dumping kids' private files online

FRANK BAJAK, HEATHER HOLLINGSWORTH and LARRY FENN Associated Press Jul 5, 2023 Updated Oct 31, 2023



# Range of Cybersecurity Assessments

Cyber Resilience Essentials (Strategic) -----  
Cyber Performance Goals (Strategic) -----  
External Dependencies Management (Strategic) -----  
Cyber Infrastructure Survey (Strategic) -----  
Cyber Resilience Review (Strategic) -----  
Web Application Scanning (Technical) -----  
Vulnerability Scanning / Hygiene (Technical) -----  
Remote Penetration Test (Technical) -----  
Risk and Vulnerability Assessment (Technical) -----

**STRATEGIC**



**TECHNICAL**





# CISA School Safety & Cybersecurity for K-12

## School Safety

- K-12 Bystander Reporting Toolkit
- SchoolSafety.gov
- K-12 School Security Guide Product Suite



## Cybersecurity for K-12

- Cyber Education Resources
  - K-5, 6-8, 9-12
- STOP Ransomware (K-12)
- Cybersecurity Guidance for K-12 Technology Acquisitions
- K-12 Digital Infrastructure Brief: Defensible and Resilient

# Cybersecurity Awareness Month –October

**Recognize & Report Phishing.** If a link looks a little off, think before you click. It could be an attempt to get sensitive information or install malware.

**Use Strong Passwords:** Use passwords that are long, unique, and randomly generated.

**Turn On Multi-Factor Authentication:** You need more than a password to protect your accounts, and enabling MFA makes you significantly less likely to get hacked.

**Update Software:** Don't delay – if you see a software updated notification, act promptly. Better yet, turn on automatic updates.





# CISA Partner for K-12 - Multi-State Information Sharing and Analysis Center (MS-ISAC)



## Malicious Domain Blocking and Reporting (MDBR)



## v8 Resources and Tools



# Cyber Resilience in Montana's Schools

## - Workshop

1. Sign up for CISA Cyber Hygiene Services (External Vulnerability Scanning)
2. State & Local Cyber Grant Program – Awareness and Download Forms
3. Incident Response Plan - Template



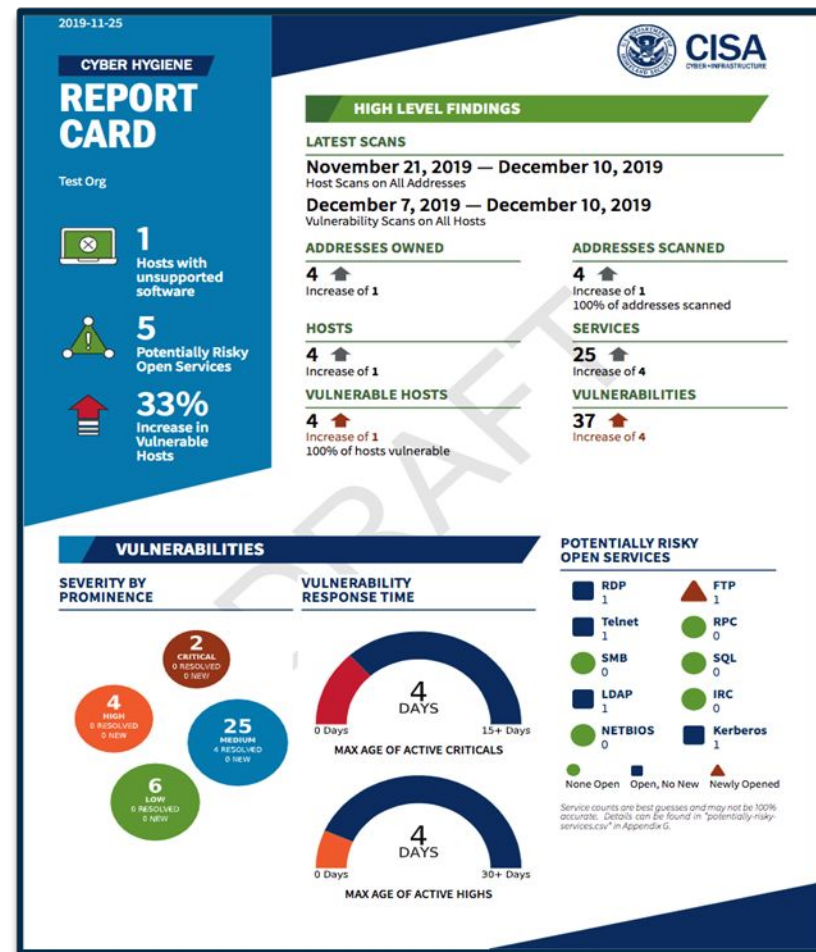
# Cyber Hygiene Services

## VULNERABILITY SCANNING

- Assess Internet accessible systems for known vulnerabilities and configuration errors
- Work with IT or Provider to proactively mitigate threats and risks to systems
- Provide weekly and on-demand reports of current vulnerabilities

To start simply email to [vulnerability@cisa.dhs.gov](mailto:vulnerability@cisa.dhs.gov) with the subject “Requesting Vulnerability Scanning”

If you want me to help fill out the forms for you... email me at [joseph.frohlich@cisa.dhs.gov](mailto:joseph.frohlich@cisa.dhs.gov) and I will help as much as possible





# State & Local Cyber Grant Program (K-12 included)



## **Committee Approved Projects for Montana's K-12**

- ★ • End User Security Awareness Training (Staff)
  - KnowBe4 Diamond Tier through the State of Montana Contract
- ★ • Behavior Based Endpoint Protection (Server and Workstation)
  - Sentinelone - \$63 per endpoint – through State of Montana
- Professional Cybersecurity Training (for IT Privileged users and Cyber Professionals)
  - Up to \$4,500



# CISA Montana K-12 Cyber Tabletop Exercises

In-Person (with remote option)

**Billings: April 23, 2024;** 1:00 p.m. 5:00 p.m. MDT

Montana State University City College Campus

Health Science Building, Room 117, 3803 Central Avenue, Billings, MT 59102



**Missoula: April 25, 2024;** 1:00 p.m. 5:00 p.m. MDT

Missoula College University of Montana, 1205 E Broadway Street, Missoula, MT 59802

## Exercise Objectives

- Increase the Montana K12 School Districts' cybersecurity resilience.
- Examine Montana K12 School Districts' information sharing procedures during a cyber incident.
- Examine policies, plans, and procedures of Montana K12 School Districts to respond to a significant cyber incident.
- Increase the understanding of external resources available to Montana K12 School Districts.



# Incident Response Plan - Template

## Basic non-technical Incident Response Plan 3 Sections

1. Key Contacts
2. Key Critical Services and their Availability
3. Incident Response Report – Non Technical





# Questions or Comments?

Please provide feedback on this workshop!  
Scan the QR code to take a short survey.



# CISA

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