



# State of Minnesota - Cybersecurity Perspective

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#### Overview

- About Minnesota IT Services
- MNIT Cybersecurity Program
- Cybersecurity Threat Landscape
- MNIT Statewide Security Initiatives
- Infrastructure Investment and Jobs Act

# Minnesota IT Services (MNIT)



Enable

**Deliver Value** 

Protect

## MNIT by the Numbers



# Meeting Demand for Digital Services: UI

# In 2020, UI met unprecedented needs for over **1 million** Minnesotans, paying out over **\$9.1B** in claims. Over **47 million** logins.

**Unemployment Insurance changed a lot** between 2019 and 2020:

- The amount paid in 2020 was 12.6 times larger than 2019.
- In 2019, UI did 4 quarterly builds. In 2020, we did **21** deployments.
- Even with all the changes, increased volume and expanded hours the system has only had **15** minutes of unplanned downtime.



#### COVID-19 Vaccine Technology Journey



# Minnesota Network for Enterprise Telecommunication (MNET)



MNET provides digital operations and connections for more than 375 non-executive partners.

#### Services:

- WAN Connects over 1,700 locations in 300+ cities to MNET.
- LAN Manages 1,200+ locations and support for 6,500 LAN and 2,300 WLAN devices.
- Voice Supports 35,000 phones and 2,000 contact center agents in 55 contact centers.
- **Firewall** Protects over 1,200 state office locations and the two main State data centers.
- **Conferencing** Provides video and audio collaboration in more than 500 locations.

# Four pillars of cybersecurity

One of MNIT's strategic plan goal is to bolster cybersecurity efforts. To do that, MNIT focuses on four pillars.



### MNIT Security Operating Model



### Cybersecurity Threat Landscape

**Threat Groups 2021** 



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#### Top Targets of Cyber Threats in 2021



\*Source: Special Report Mandiant M-Trends 2022

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# KA-SAT Network Cyber-attack

On 24 February 2022, Viasat's KA-SAT network experienced a multi-faceted and deliberate cyber-attack against its consumer-facing satellite broadband service.

While most users were unaffected by the incident, the cyber-attack did impact several thousand customers located in Ukraine and tens of thousands of other fixed broadband customers across Europe.

They detected high volumes of focused, malicious traffic that came from several modems and/or associated customer premise equipment (CPE) physically located within Ukraine.



### **MNIT Statewide Security Initiative**



SOC Cyber Navigator | Vulnerability Analyst Compliance Support

Support and Resources

MNIT SOC Engineers | MNIT SOC Analysts | MN Fusion Center | Federal Partners | Private Partners

#### **Cybersecurity Grant Program** for State, Local, Tribal Territorial Governments

- Infrastructure Investment and Jobs Act (IIJA)
  - Sec. 70611, State and Local Cybersecurity Improvements Act
- This could activate \$17.932M for Minnesota in FY22-FY25.
  - **FY22**: \$3,586
  - **FY23**: \$7,173
  - **FY24**: \$5,380
  - **FY25**: \$1,793

- 80% of funding goes to local, tribal, and territorial governments (25% to rural areas based on census data).
- The Governor's budget recommendations included a proposal to fund the state match for federal funds.

# Cybersecurity Plan and Planning Committee

- Eligible entities submit a cybersecurity plan to Cybersecurity Infrastructure and Security Agency (CISA) that describes how they will protect against cybersecurity risks and threats to information systems owned or operated by state, local, or tribal governments.
- Cybersecurity plans are developed by cybersecurity planning committee and approved by the State CIO or State CISO.
- The planning committee shall:
  - Assist with developing and implementing the cybersecurity plan,
  - Approve the cybersecurity plan, and
  - Assist with determining effective funding priorities for the grant.

# Cybersecurity Planning Committee Composition

#### **Representatives from:**

- State
- Counties
- Cities
- Towns
- Institutions of public education
- Institutions of public health
- Tribal Nationals

- No less than half of the members will have professional cybersecurity or IT experience.
- It will also include, as appropriate, members from rural, suburban, and high-population jurisdictions.

# Cybersecurity Grant Program Activities and Next Steps

- 1. Minnesota legislature debating whether to fund the state match to activate federal match.
- 2. Receive detailed guidance from CISA.
- 3. Activate the Minnesota Cybersecurity Planning Committee to align statewide plan and reporting criteria based on CISA guidance and requirements.
- 4. Submit grant application for Minnesota and develop procedure to manage execution of cybersecurity plan.





# Thank You!

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