Alex Morese
Manager, Energy Security
Michigan Agency for Energy

Exercise Exercise Exercise

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Michigan Perspectives on Cybersecurity Incident Coordination and Communications

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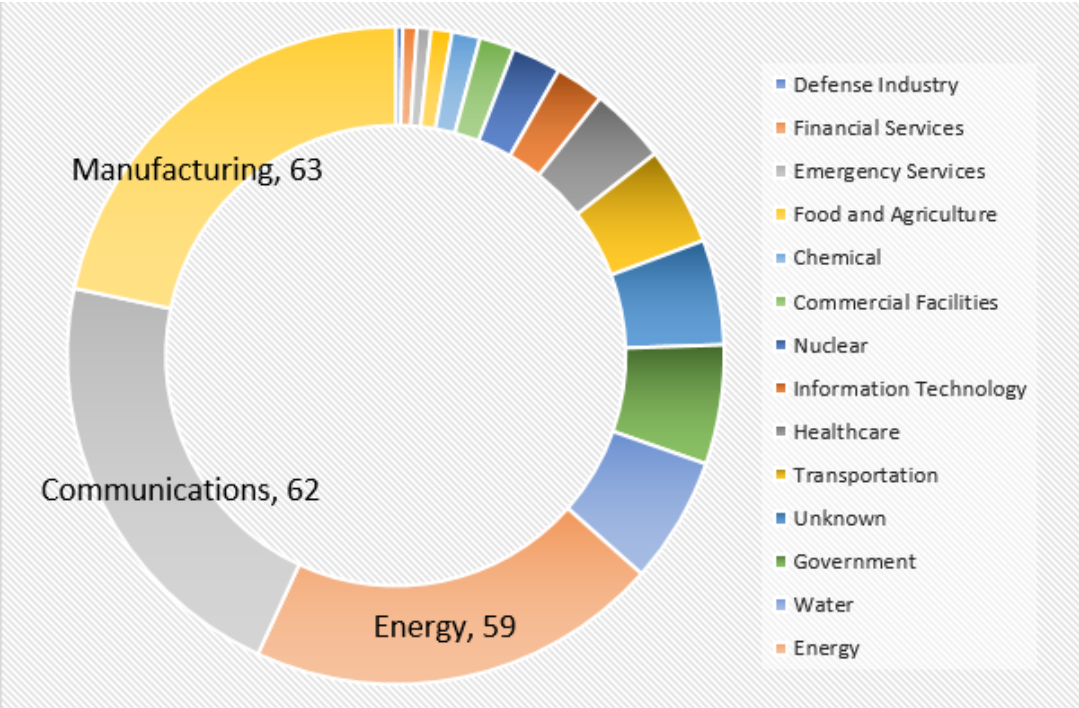
Cyber Attacks on Utility Sector

The Energy Sector accounted for 20% of all cyber incidents reported to ICS-CERT (DHS) in fiscal year 2016.



290 events reported for FY 2016 in sector.

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Michigan Government Under Attack

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The State of Michigan blocks more than 650,000 cyber attacks daily. Annually, this amounts to:

- 2.5 million – Web browser attacks
- 179.5 million – Http-based attacks
- 79.5 million – Network scans
- 5.2 million – Intrusions

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Cyber Disruption Response Strategy

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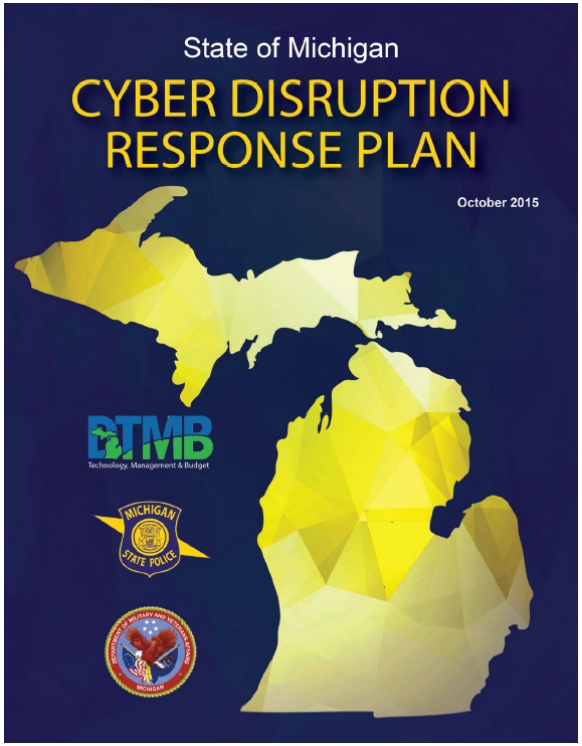
Strategic Goals

- Improve situational awareness among CI owners and operators.
- Create operational plans for response to and recovery from cyber disruption events.
- Train key staff; exercise communication and response plans.
- Conduct risk assessments to identify vulnerabilities of Michigan's CI.



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Michigan Cyber Initiative:
Early Detection and Rapid Response

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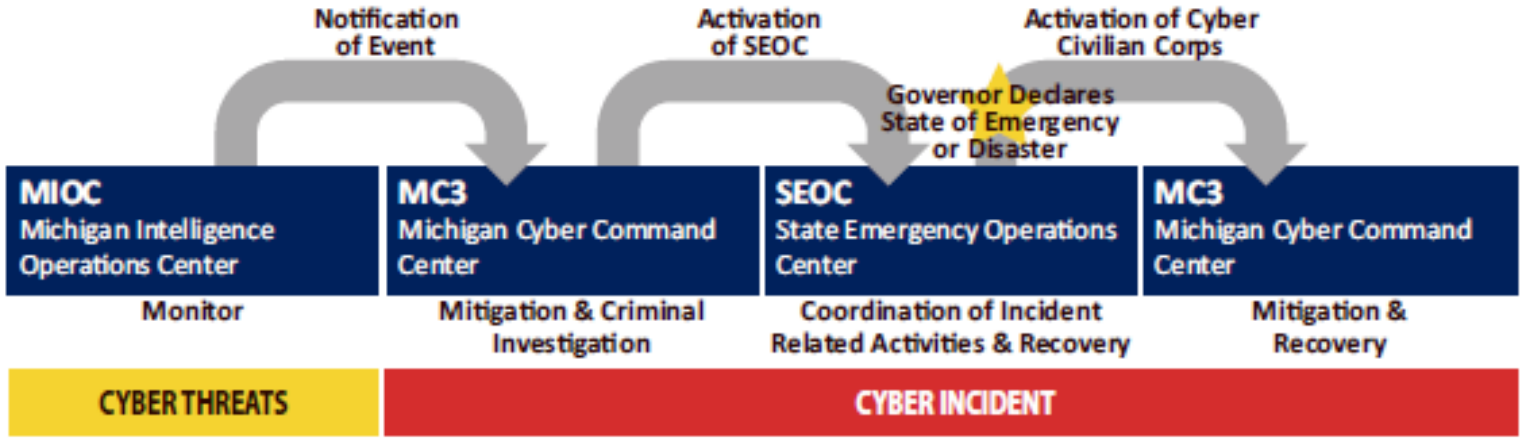
Cyber Disruption Response Team:

- Michigan Cyber Range
- Michigan Intelligence Operations Center (MIOC)
- Michigan Cyber Command Center (MC3)
- Cyber Civilian Corps



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MAE/MPSC Strategy

1. Develop knowledge of cybersecurity issues and threats
2. Support workforce development and training
3. Strengthen public and private partnerships
   - CI Cyber Security Forum (voluntary)
4. Assess the status of cybersecurity and smart grid developments/investments

Actions and Activities

1. Establish full-time cybersecurity position and cross-agency team
2. FOIA Revision
3. Update electric and natural gas technical standards via rulemaking (updating)
    - Applicable to IOUs and Cooperatives
    - Annual reports on cybersecurity programs
    - Crisis communications protocols

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Utility CS Annual Report

Annual Report – An oral report, individually or jointly with other electric providers, regarding the electric/gas provider's cybersecurity program and related risk planning. The report must contain information on:

- Cybersecurity program overview
- Training and exercises
- Staffing / Emergency Contacts
- Communications Plan
- Risk assessment tools and methodology
- Vulnerability assessments / response plans
- Incident summary
- Investments (IOUs only)

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Crisis Communication

Security Emergency – As soon as reasonably practicable and prior to any public notification, an electric provider must report the confirmation of a cybersecurity incident to a designated member of the commission staff and to the Michigan fusion center, unless prohibited by law or instructed otherwise by official law enforcement personnel:

- Qualifying Events
- Notification Timelines
- Whom to Contact

Handling of Critical Information

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What are you doing to protect us?

- Updating policies and procedures for critical information handling, transfer, storage, and retention
  - Expanded to include all CI in building
  - Survey of staff, attorneys, etc.
- Developing electronic records management system
  - Streamline process
  - User access and control

Thanks for your attention.

Alex Morese
Michigan Agency for Energy
Energy Data and Security
Telephone: 517.284.8310
Cell: 517.719.8074
Email: moresea@michigan.gov

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