



NCUA
National Credit Union Administration

Office of Examination and Insurance

Cybersecurity Update

October 21, 2021

Overview



Cybersecurity Threat Update



Information Security Examination & Cybersecurity Assessment Program



Guidance and Risk Alerts



Cybersecurity Resources Webpage



Industry Outreach and Partner Engagement

Cybersecurity Threat Update



Threat Environment



Cyber Risks

Ransomware

Supply Chain Vulnerabilities

Business Email Compromises



FBI Internet Crime Complaint Center

Cybersecurity Risks - Ransomware

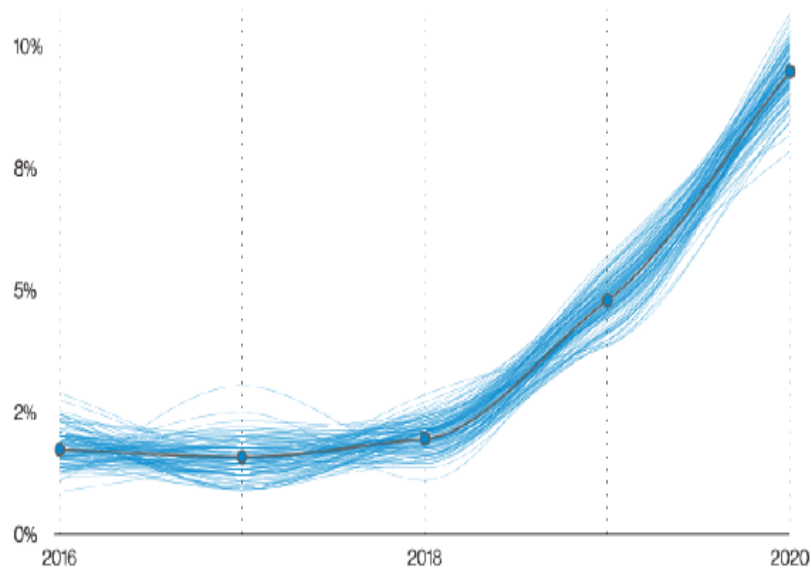


Figure 83. Ransomware in breaches over time

Ransomware

- ❑ Upward Trend
- ❑ 10% of All Cyber Breaches
- ❑ FS-ISAC – “Amongst Largest Cybersecurity Threats”
- ❑ Shifted to Exfiltration of Sensitive Data
- ❑ Threats to Publicize Company Data
- ❑ Enabled by Cryptocurrency

Cybersecurity Risks – Supply Chain

Third party/supply chain risk will dominate threat landscape discussions

- FS-ISAC Annual Cyber Threat Review (2021)

Cybersecurity Risks –Business Email Compromise

Business Email Compromise

- 19,369 Complaints
- Adjusted Losses - Over \$1.8 billion
- Targeted both businesses and individuals



*FBI Internet Crime Complaint Center - Internet Crime Report 2020

Information Security and Cybersecurity Assessment Program



Information Security and Cybersecurity Assessment Program



NCUA Maturity
Assessment

+

NCUA Examination
based on NCUA Rules

The Toolbox

Automated Cybersecurity Evaluation Toolbox

- Maturity Assessment
- Ransomware Readiness Assessment



ACET Tools Resource Library Help

Prepare Assessment Results

Prepare

- Assessment Configuration
- Assessment Information
- Inherent Risk Profiles
- Inherent Risk Profile Summary

Assessment

- Statements

Results

- ACET Results
 - ACET Maturity Results
 - ACET Dashboard
- Reports

Collapse All Expand All

Statements

Baseline Evolving Intermediate Advanced Innovative

Cyber Risk Management & Oversight

Governance

Oversight

Stmt 1 **Baseline** Designated members of management are held accountable by the board or an appropriate board committee for implementing and managing the information security and business continuity programs.

Yes No NA Yes(C) [Flag]

[Bookmarks] [Info] [Comments] [List] [Lightbulb] Reviewed

The Toolbox



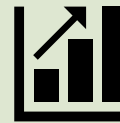
Cybersecurity Maturity

Domain	Maturity Level
Domain 1: Cyber Risk Management & Oversight	Baseline
Domain 2: Threat Intelligence & Collaboration	Baseline
Domain 3: Cybersecurity Controls	Baseline
Domain 4: External Dependency Management	Baseline
Domain 5: Cyber Incident Management and Resilience	Baseline

Information Security Examination Program



**Information Security
and Cybersecurity
Assessment Program**



Information Security
Examination
Program

Guidance and Risk Alerts



FFIEC Information Technology Examination Handbook

Architecture, Infrastructure, and
Operations

JUNE 2021

- **FFIEC Authentication Guidance**
- **Business Email Compromise Risk Alert**
- **FFIEC Architecture, Infrastructure and Operations (AIO) Handbook**

Cybersecurity Resources Webpage

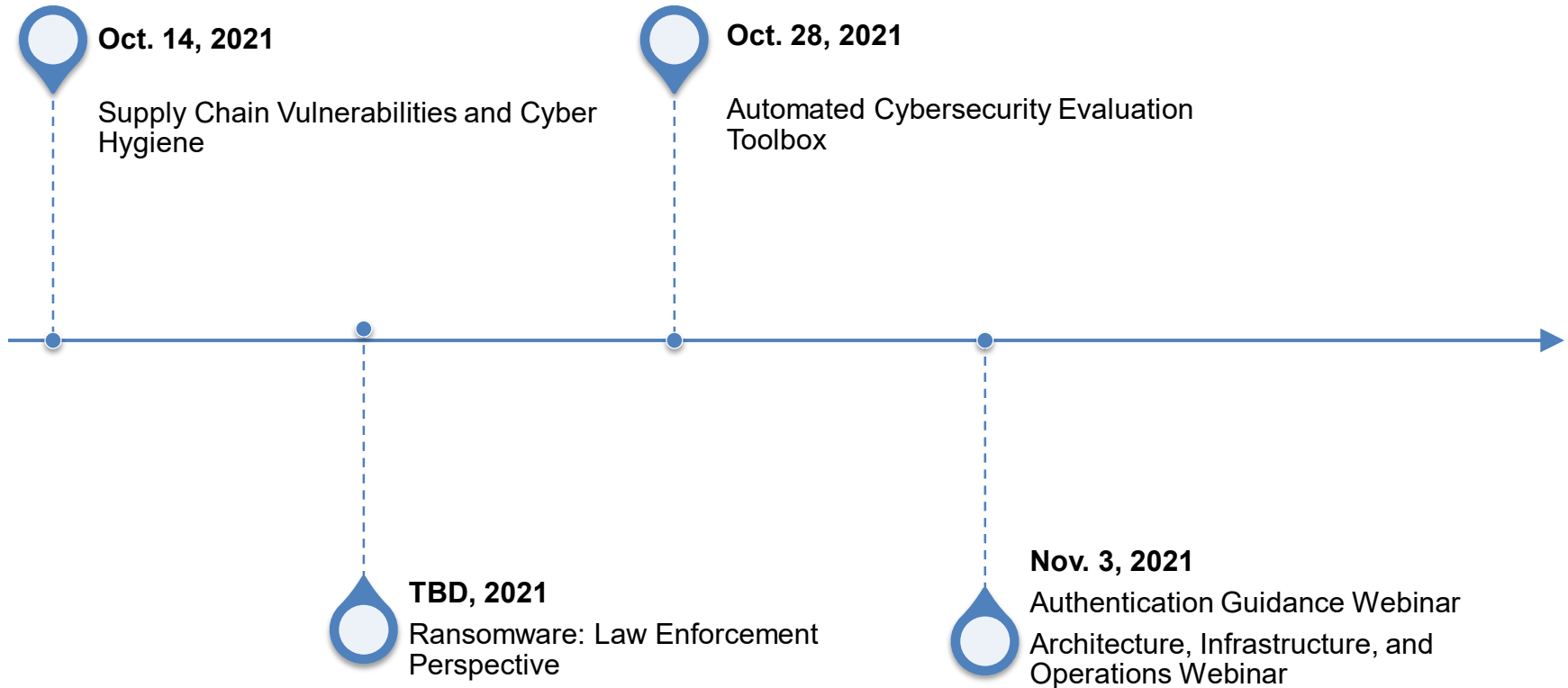


UPDATING CYBERSECURITY RESOURCES
WEBPAGE



PROVIDING ADDITIONAL
CYBERSECURITY TOOLS AND RESOURCES

Industry Outreach



Cybersecurity Resources Webpage

ncua.gov/cybersecurity

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