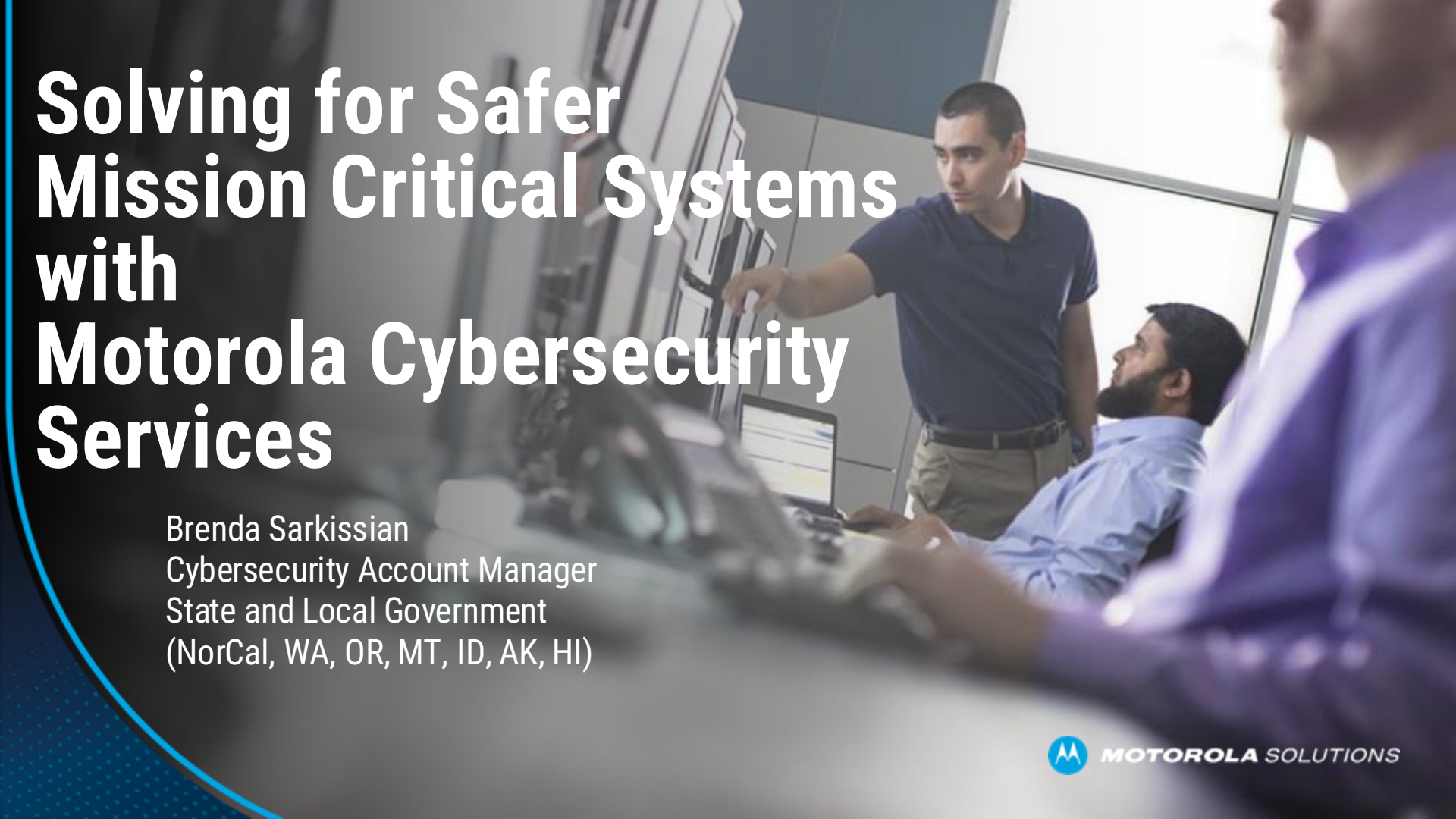
Solving for Safer Mission Critical Systems with Motorola Cybersecurity Services



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MOTOROLA SOLUTIONS

RANSOMWARE CONTINUES TO DOMINATE

21

Average # of days of downtime

287

Average # of days to fully recover

$1.1B

Total paid in ransoms in 2023

$650K

Average ransom payment in 2023

THREATS CONTINUE TO ADAPT AND BEHAVE DIFFERENTLY

COMPLEXITY AND IMPACT TO TARGET SYSTEMS ARE MORE DEVASTATING

Generation 5 - Present, Large scale, multi-vector attacks using attack tools and connected systems/users for access and is driving EDR, IAM, SOAR products → **Systemic Attacks (Colonial Pipeline)**

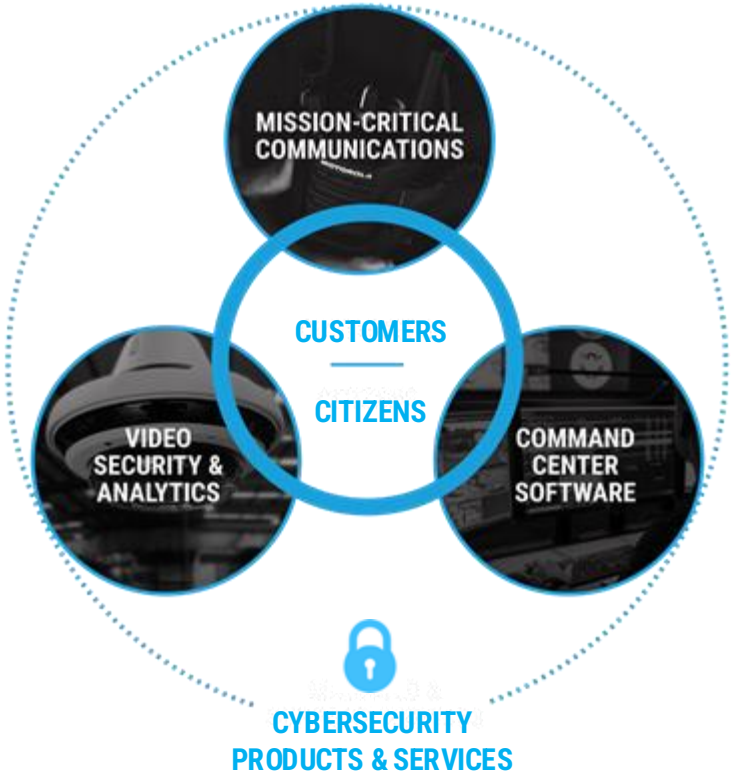
Generation 4 - Present, rise of targeted, evasive attacks affected most business and drove behavior analysis products. → **Trusted Resource Attacks (RNI and CEN based attacks)**

Generation 3 - Early 2000s, exploiting vulnerabilities in applications affected most businesses and drove intrusion prevention/detection systems (IPS/IDS) products → **Internal Network Attacks**

Generation 2 - Mid 1990s, attacks from the internet affected all business and drove creation of the firewall. → **Perimeter Attacks (Fortinet Vulnerability)**

Generation 1 - Late 1980 , virus attacks on stand-alone Personal Computers affected all businesses and drove antivirus products → **Virus Attacks**

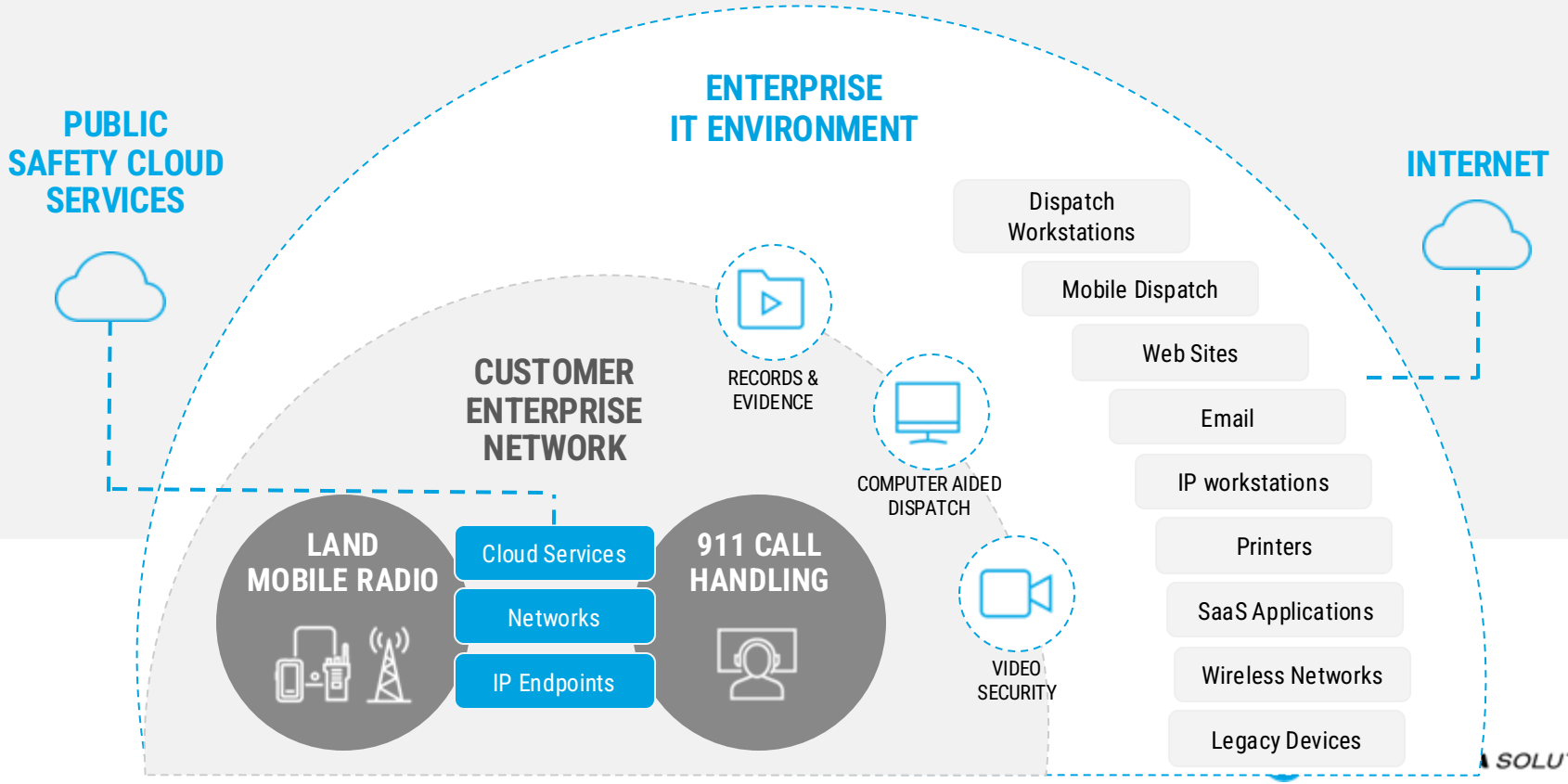
CYBERSECURITY IS CRITICAL TO PUBLIC SAFETY



- A **cybersecurity attack** has the ability to take away the Confidentiality, Availability & Integrity of **mission critical** communications.
- Only with products built securely as well as continuous cybersecurity services can you **stay one step ahead of the attacker**

CYBERSECURITY LANDSCAPE

FOR PUBLIC SAFETY

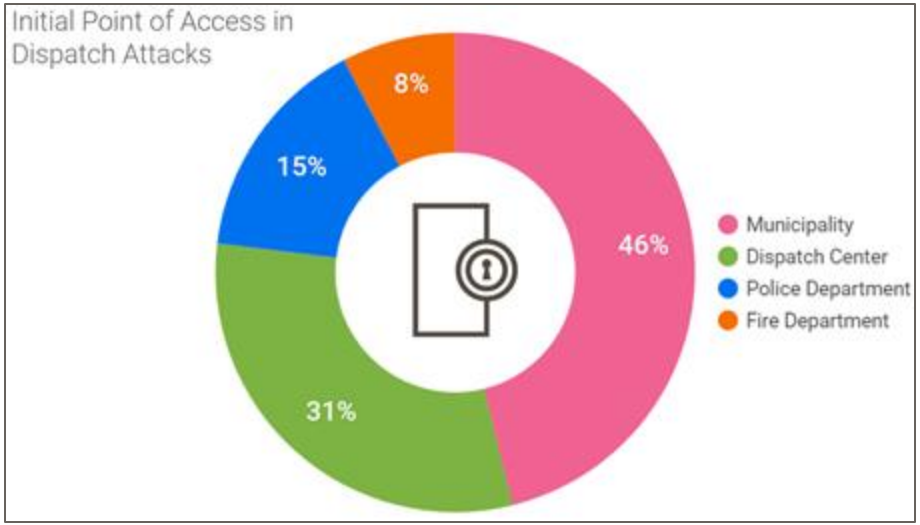


THERE IS NO SUCH THING AS A CLOSED NETWORK

- INSIDER THREAT
- EXTERNAL NETWORK CONNECTIONS
- UNAUTHORIZED CONNECTIONS
- BYOD AND MAINTENANCE LAPTOPS
- EXTERNAL DISC MEDIA AND USB DRIVES

Cyber disruptions to 9-1-1/ dispatch centers

- **12** cyberattacks have degraded CAD operations this year
- **90%** of observed attacks involved ransomware
  - Average downtime was **15** days; **5** day minimum
- **77%** of CAD and PSAP victims were located in the U.S.



MOTOROLA SOLUTIONS CYBERSECURITY

TRUSTED CYBER PARTNER CAPABILITIES

NIST National Institute of Standards and Technology U.S. Department of Commerce

ADVISORY

Assessment & Compliance

RISK ASSESSMENT

PENETRATION TESTING

MANAGED SECURITY

Vulnerability & Threat Insight

Detection & Response

CISO KPI Dashboard

Investigation & Reporting

Log Storage & Forensics

THREAT DETECTION & RESPONSE | **VULNERABILITY ASSESSMENT** | **PATCH TESTING & DEPLOYMENT**

24x7 Expert Security Operations Center

Public Safety Expertise and Deep Threat Intelligence

RECOVERY

Response & Recovery

INCIDENT RESPONSE PLANNING

SYSTEM RECOVERY PLANNING

CYBERSECURITY TRAINING

ARE YOU CJIS COMPLIANCE?

FBI-CJIS MANDATE: CUSTOMERS NEED HELP TO MANAGE ENDPOINT PROTECTION

FBI-CJIS

- Public Safety security standards
- Requirement to protect customer's sensitive Criminal Justice Information (CJI)

Endpoint protection is required for CJIS

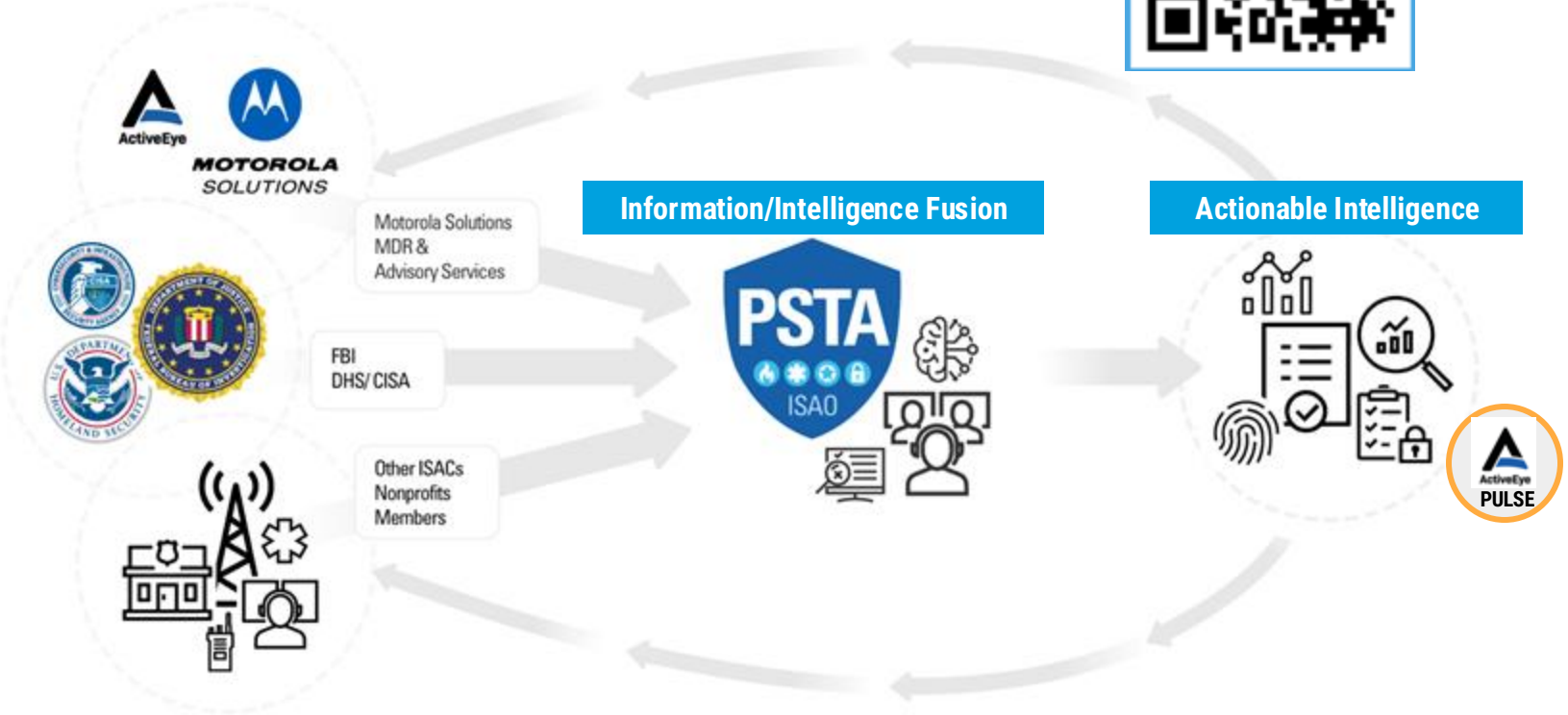
- MSI goes further: we test it with Astro Systems
- Customers need our help to monitor the endpoint protection agent

ActiveEye is CJIS compliant cloud-based tool

- Our SOC personnel meet CJIS requirements
- ActiveEye does not collect and store unencrypted CJI data
- As best practice, we still meet many CJIS requirements

PSTA UPDATE

INFORMATION/INTELLIGENCE FLOW



PSTA
PUBLIC SAFETY THREAT ALLIANCE
PUBLIC SAFETY ISAO

MOTOROLA SOLUTIONS


THANK YOU