



Security Management 9-1-1 Value Proposition

April 28, 2016



Agenda

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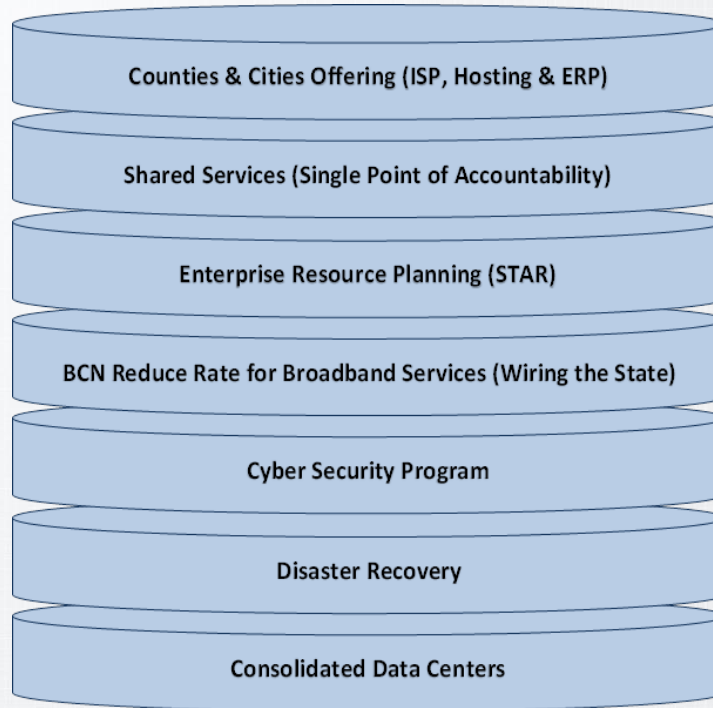


Local PSAP Challenges

- Network/Server Infrastructure
- Architecture
- Cyber Security
- Storage
- Funding
- Economies of Scale



Strategic Enterprise Solution Set



DET Security Management



Cyber Security Strategy and Roadmap

- Strategy and Roadmap developed mid-2013
- Identified 100+ projects across 12 Categories based on assessments
- Framework:

NIST

- Identify
- Protect
- Detect
- Respond
- Recover

Security Service Categories

Information Security Program Management	Secure System Engineering	Information Security Awareness and Training
Business Continuity	Information Security Compliance	Information Security Monitoring
Information Security Incident Response and Forensics	Vulnerability and Threat Management	Boundary Defense
Endpoint Defense	Identity and Access Management	Physical Security



Cyber Security Functions

(Not part of other services)

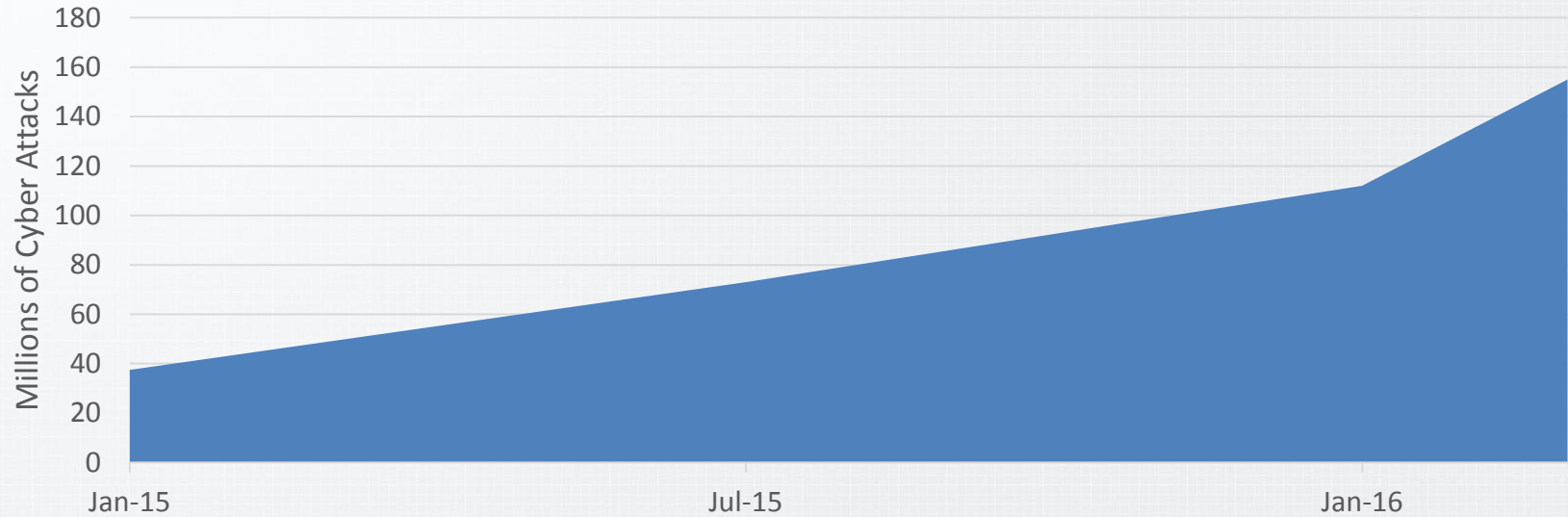
- Security Incident and Event Management (Event Log and Internet Traffic Monitoring)
- Intrusion Detection
- Vulnerability Management
- Penetration Testing
- Patch Audit of DET managed infrastructure
- Compliance and Audit
- Cyber Security Awareness Training



Cyber Security Attacks

Be Aware of the Growth in Cyber Security Attacks

Cyber Attacks





Statewide NG911 Examples

Iowa, Indiana, Tennessee

- Iowa
 - Incremental Technology Progression running on ICN
- Indiana
 - Private/Public Hybrid Partnership
- Tennessee
 - Incremental Technology Progression running on NetTN State Network
 - All NG911 calls routed through two fully redundant network control centers



9-1-1 Center – Value Proposition

Hosting

- Virtualization of Servers
- Standard Implementation of Applications
- Storage
- Disaster Recovery Services
- Life Cycle Management
- Security Patching
- Performance Monitoring and Tuning
- Redundant Data Centers in Madison and Milwaukee



9-1-1 Center – Value Proposition

Network Services

- Badger Converged Network
 - New Contract with higher speeds and lower rates
 - Serving over 1,000 State Offices
 - Serving over 800 Schools and Libraries
 - Implemented Fiber Connections in 2014 to All BCN Libraries (350+)
 - 72 Counties Accessing 15 State Systems



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Funding

- Funding
 - DET Assistance
 - Legislative Support
 - Vendor Relationships
 - Contract Negotiations



Pathway to the Future

Sooner than Later – Urgent?

- Task Force on PSAP Architecture (TFOPA)
- IP Network – ESInet
- FirstNet
- Next Generation 9-1-1
 - Architecture
 - Applications
 - Functions
 - Services
 - Cost
 - Vendors



Questions?