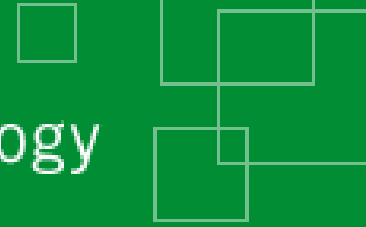


Ekaru

Connecting People With Technology



Data Security Training
**Review of MA Data Security Law
Technical Requirements**

September 25, 2014



Welcome!

- **Thank you** for joining us today.
- Our training sessions are now quicker – just **20 minutes**
- If you want to follow from your office, go to www.ekaru.com / Go to “What’s New” on the right side of the page. The Presentation will open in a browser, click the down arrow in nav bar to advance slides.

Format

- For call clarity, this is a “listen only” call.
 - (Reason, cut down on ambient noise, avoid “call on hold music” – a bit tough though, because I can’t hear you!)
- If you have questions, please eMail to info@ekaru.com and we will try to include Q&A or we’ll follow up after.
- Call 978-692-4200 for help.

Workshop Mission

- Help you get more from the technology you already have.
- Introduce you to new technologies you need to know about.
- **GROW** your business and **PROTECT** your business

Data Security

- MA Data Security Law, HIPAA, other industry regulations *require* ongoing employee training.
- Re-vamped on-line training to help keep training requirements up to date

Security in the news...

TECH 30

Internet Explorer bug lets hacker control your PC

CNNMoney



Target Data Breach: It gets worse

Microsoft Patch Tuesday brings critical Explorer, Outlook fixes

Update Flash, Shockwave ASAP! Adobe also patches Acrobat and Reader



CryptoLocker's crimewave: A trail of millions in laundered Bitcoin

In Wake of Home Depot Breach, Report Says 43% of Companies Are Victims

Everything you need to know about Yahoo's security breach

'Master key' to Android phones uncovered

A "master key" that could give cyber-thieves unfettered access to almost any Android phone has been discovered by security



Microsoft Small Business Specialist

Microsoft
CERTIFIED
Partner



End Users

- Often lack of knowledge is the weakest link... **"Endpoints"**
 - Bromium Report: 75% say end users are the biggest security problem
 - Verizon Data Breach Intelligence Report: 71% of breaches were the result of an attack on end user devices.

Massachusetts Data Security Law

- Applies to all businesses
- Personal Information
 - First Name or Initial + Last Name
 - Identifying information
- Your industry may have additional requirements (HIPAA, etc)

Technology requirement #1

1. **“Secure user authentication protocols including:**
 - (a) control of user IDs and other identifiers;
 - (b) a reasonably secure method of assigning and selecting passwords, or use of unique identifier technologies, such as biometrics or token devices;
 - (c) control of data security passwords to ensure that such passwords are kept in a location and/or format that does not compromise the security of the data they protect;
 - (d) restricting access to active users and active user accounts only; and
 - (e) blocking access to user identification after multiple unsuccessful attempts to gain access or the limitation placed on access for the particular system;”

... Technology Requirement #1

- *Strong Passwords include 8 or more characters, include uppercase letters, lowercase letters, numbers, and symbols. Never use a word in the dictionary.*
 - *GOOGLE: Microsoft Strong Password Checker.... You can actually see the strength of the password grow with increased character types, etc.*
- *90 Day Password Policy.*
- *Domain authentication should be used for businesses with a server.*
- *"Technically feasible" – not all applications have password policies*

Technology requirement #2

- **“Secure access control measures that:**
- (a) restrict access to records and files containing personal information to those who need such information to perform their job duties; and
- (b) assign unique identifications plus passwords, which are not vendor supplied default passwords, to each person with computer access, that are reasonably designed to maintain the integrity of the security of the access controls;”

Technology requirement #3

- “(3)Encryption of all transmitted records and files containing personal information that will travel across public networks, and encryption of all data containing personal information to be transmitted wirelessly.”
- *Do not email personal information. Instead use encrypted email or encrypted file transfer.*
- *Maintain wireless network encryption.*
- *WPA NOT WEP Encryption*
- *Password protection is NOT encryption!*

eMail Encryption

- Sign up for a free trial at <http://voltage.ekaru.com/>

Voltage security | **SecureMail Cloud™** | **Ekaru** contact [cloud login](#)

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On-Demand Encryption

Rapid and cost-effective options to secure collaboration with business partners and clients

- ▶ Rapid project ramp up and get going fast
- ▶ Lowest cost on-demand service
- ▶ Minimized IT overhead
- ▶ Full integration with on-premise solution
- ▶ Email, Files and Documents protected wherever they go

[View the Voltage SecureMail experience ▶](#)

Easy to Use Email, File and Document Encryption

Protect client confidentiality with easy to use, on-demand email, file and document encryption

- ▶ Designed for Business Professionals
- ▶ Easy to use, no setup required
- ▶ No software and no purchase needed for recipients
- ▶ Integrates with Microsoft Office 2007
- ▶ Low cost subscription

[View the Voltage SecureFile experience ▶](#)

SecureMail Cloud Demo

See how users experience SecureMail Cloud

[Click to View](#)



Free Trial

Try Voltage SecureMail Cloud for 30 days

[Click to Try](#) **FREE**



Technology requirement #4

- “Reasonable monitoring of systems, for unauthorized use of or access to personal information”;

Technology requirement #5

- “Encryption of all personal information stored on laptops or *other portable devices**;”
- Newer laptops – Hard drive encryption built in – need to set up.
- Trucrypt**, PGP
- *If technically feasible*

Technology Requirement #5

- Do all portable devices need to be encrypted? - YES – whenever technically feasible. Also, DVDs and flash drives should be encrypted.
- Laptops: PGP or Truecrypt – You **MUST** remember your encryption key!

Technology requirement #6

- “For files containing personal information on a system that is connected to the Internet, there must be reasonably up-to-date **firewall protection** and operating **system security patches**, reasonably designed to maintain the integrity of the personal information.”

Technology requirement #7

- “Reasonably up-to-date versions of system security agent software which must include malware protection and reasonably up-to-date patches and virus definitions, or a version of such software that can still be supported with up-to-date patches and virus definitions, and is set to receive the most current security updates on a regular basis.”

Technology requirement #8

- “Education and training of employees on the proper use of the computer security system and the importance of personal information security.”
- *Users often break basic rules for “convenience”. Education is needed to prevent this.*
- Risk analysis is an ongoing process
 - Business changes, Technology changes

Things to think about

MA Data Security law requires a
**WRITTEN INFORMATION SECURITY
PLAN (WISP)**

Do you have a policy?

- BYOD – Bring Your Own Device
- BYOA – Bring Your Own APP
- Can you measure your compliance?

THANK YOU!

- For more info:
 - www.ekaru.com/blog
 - www.twitter.com/ekaruIT
 - www.facebook.com/ekaru
 - <https://www.youtube.com/user/EkaruIT>
- Please send us your questions!
- Call any time: 978-692-4200