

IT Task Group

Why the fuss about Security?



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1

Antitrust Statement

This meeting is conducted in accordance with the NRMCA Antitrust Policy Statement

The National Ready Mixed Concrete Association assigns the highest priority to full compliance with both the letter and the spirit of the antitrust laws. Agreements among competitors that unreasonably limit competition are unlawful under federal and state antitrust laws, and violators are subject to criminal fines and incarceration, civil fines and private treble-damage actions. Even the successful defense of antitrust litigation or an investigation can be very costly and disruptive. It is thus vital that all meetings and activities of the Association be conducted in a manner consistent with the Association’s antitrust policy.

Examples of illegal competitor agreements are those that attempt to fix or stabilize prices, to allocate territories or customers, to limit production or sales, or to limit product quality and service competition. Accordingly, it is inherently risky and potentially illegal for competitors to discuss under Association auspices, or elsewhere, the subjects of prices, pricing policies, other terms and conditions of sale, individual company costs (including planned employee compensation), the commercial suitability of individual suppliers or customers, or other factors that might adversely affect competition.

It is important to bear in mind that those in attendance at Association meetings and activities may include competitors, as well as potential competitors. Any discussion of sensitive antitrust subjects with one’s competitors should be avoided at all times before, during, and after any Association meeting or other activity. This is particularly important because a future adversary may assert that such discussions were circumstantial evidence of an illegal agreement, when viewed in light of subsequent marketplace developments, even though there was, in fact, no agreement at all.

If at any time during the course of a meeting or other activity, Association staff believes that a sensitive topic under the antitrust laws is being discussed, or is about to be discussed, they will so advise and halt further discussion for the protection of all participants. Member attendees at any meeting or activity should likewise not hesitate to voice any concerns or questions that they may have in this regard.

Adopted by the NRMCA Membership, on April 3, 2006, and reaffirmed by legal counsel on January 19, 2024



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2

Agenda

- Security
 - Prevention
 - Protection
 - Preparation

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3

Prevention, Protection, Preparation – Oh My!



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4

IT Security – Where to Begin

- Securing our data and systems is a daunting task
- Start small and focus on incremental progress
- Security Posture will continually evolve
- Security is everyone's business
- Cyber Insurance is your friend
- Think in Layers – Prevention, Protection, Preparation
- **This is the START of the Journey!!**



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5

Prevention – System Access

- Passwords - Passphrases
 - ABCDEF123456
 - ILRMX2ptb\$2d (I Love Ready MiX 2 Pay The Bill\$ 2 Day)
 - FrontDischargeTrucksHaul4Me!
- Token Based Authentication
 - Requires a second form of approval prior to authorizing access
- Biometric Based Authentication
 - Make sure you can legally do this



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6

Prevention – System Access

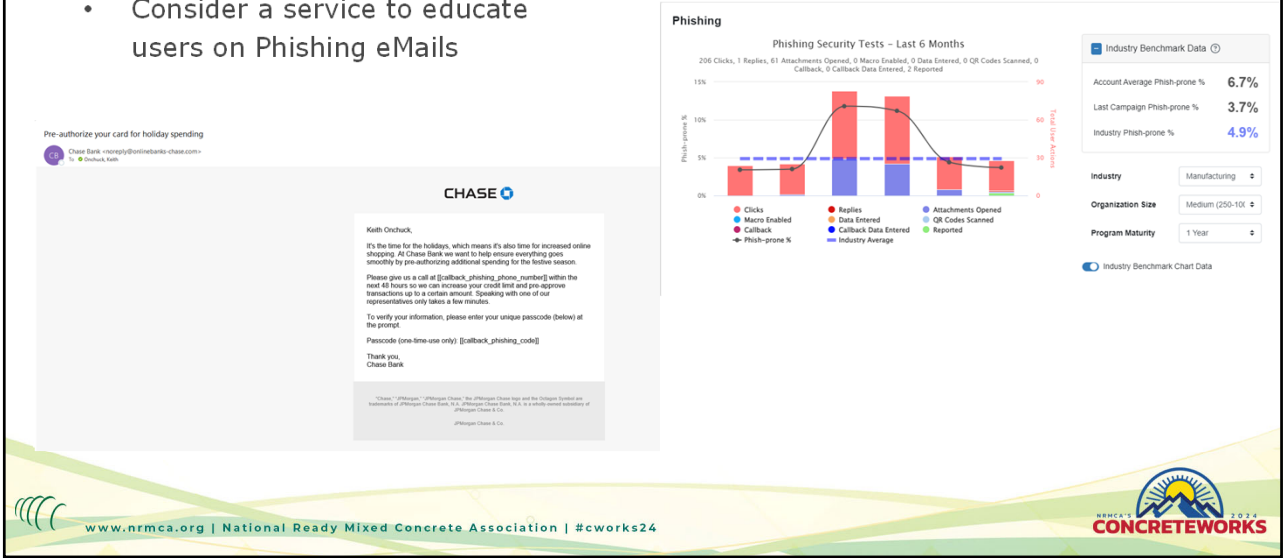
- Automatic Account Lockout
 - Failed Login Attempts
 - Locking accounts for employees who leave
- Multi Factor Authorization (MFA)
 - Similar to Token but not as secure
- Blocking Country logins
 - If you are based in a specific geographic area, restrict access
- VPN
 - Panera / Starbucks



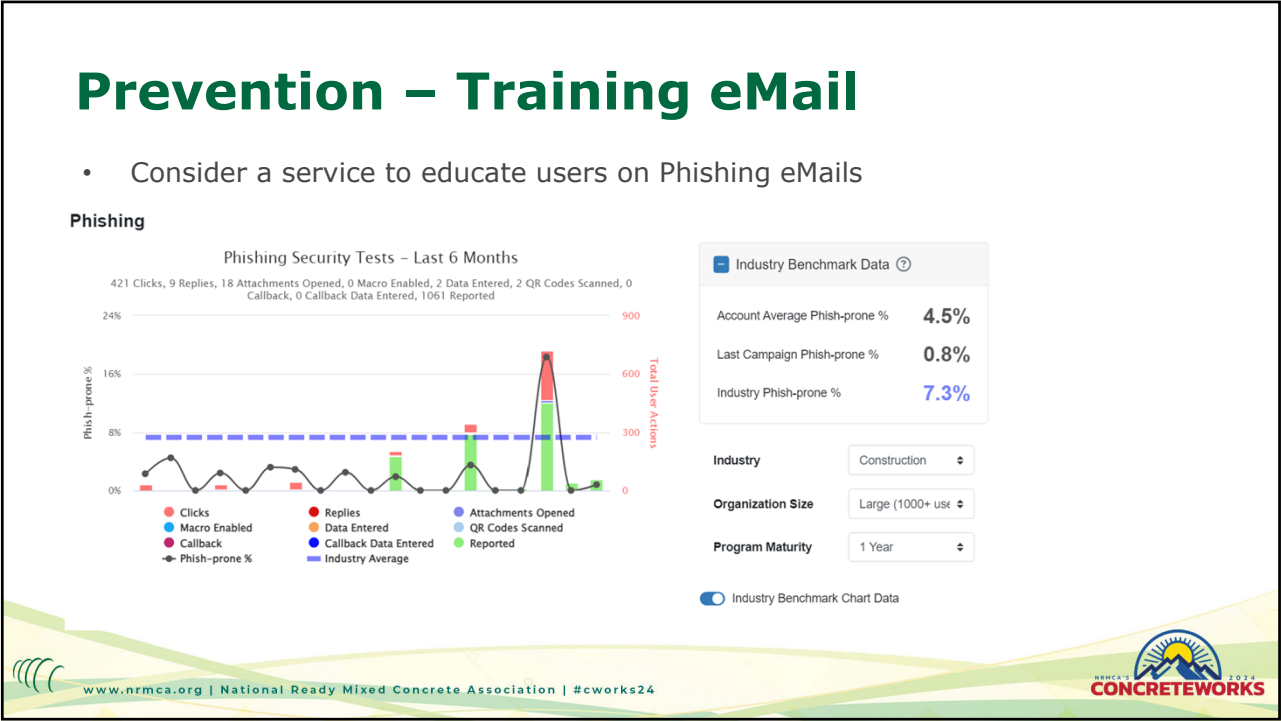
7

Prevention – Training eMail

- Consider a service to educate users on Phishing eMails



8



9



10

Protect – Network

- Stop Traffic Before it Enters Your Network
- Next Generation Firewalls (NGFW)
 - Inspect all inbound traffic
 - Restrict traffic from all but 'allowed' locations (Deny All!)
 - Restrict traffic to/from know malicious sites (URL filtering and blocking)
 - Restrict traffic that is malicious in nature
 - Prioritize traffic based upon type (QoS)



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11

Protect – End Points

- End Point Detection and Response (EDR)
 - Abnormal Behavior
 - File Access
 - File Deletion
 - Network Traffic
 - Anti-Malware
 - Anti-Virus
 - Browser Isolation



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12

Protect – End Points

- End Point Detection and Response (EDR)
 - Compromised Email Detection
 - Command & Control
 - Credential Harvesting
 - Impersonation
 - Social Engineering
 - Data Loss Protection (DLP) Data exfiltration



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13

Prepare – Prior Planning Prevents Poor Performance

- What do you do IF you are compromised?
 - Have an Incident Response Plan
 - Policy that Plans the Procedures
 - Cyber Insurance
 - Data Backups
 - Cyber Security Firm on retainer




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14

Security Tools – End Point Protection

- Cylance
- Deep Instinct
- Heimdal
- Malware Bytes
- McAfee
- MS Defender
- Sentinel One
- Sophos
- Webroot




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15

Security Tools – Network Protection

• Cisco ISE	• Stealthbits
• Cisco Meraki	• Symantec
• Cisco Umbrella	• XMCyber
• Dark Trace	• Zero Networks
• Mimecast	
• Portknox	
• Q-Radar	
• Sophos	



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16

Security Tools – Firewalls

- Barracuda
- Cisco
- Check Point
- Forcepoint
- Fortinet
- Juniper
- Palo Alto
- SonicWall
- Sophos



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17

Security Tools – Backup

- Actifio
- Barracuda
- Datto
- Druva
- Microsoft
- Rubrix
- ThinkOn
- Veeam
- Zerto




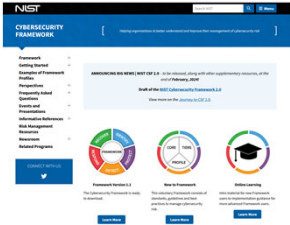
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18

IT Security – Resources


- National Institute of Standards and Technology (NIST)
 - <https://www.nist.gov/cyberframework>
- Internet Crime Complaint Center (IC3)
 - <https://www.ic3.gov/>



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Summary

- Training
- Limit Access
- Think in terms of Layered Protection
- Security is a Journey
- Remember the 3 P’s –
 - Prevention, Protection, Preparation!
 - Policy, Plans, Procedures
- Training
- **Asking for help is a sign of strength not weakness!**

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