FISSEA

Security Awareness, Training, and Education

Contest

Gretchen Morris, CISSP
FISSEA Working Group Member
March 2018

Contest

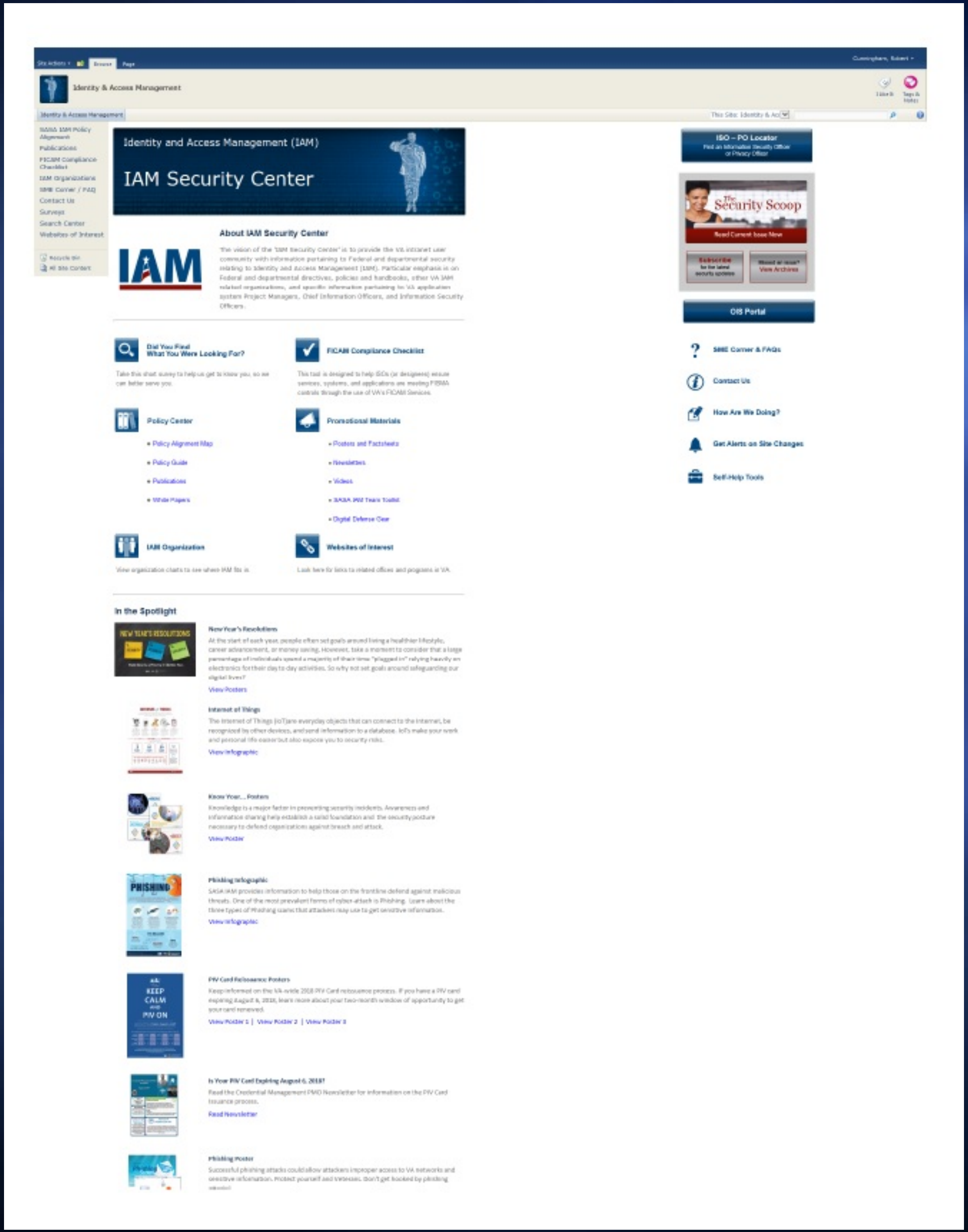
Categories

- Website
- Motivational Item
- Poster
- Newsletter
- Training
- Video

Judges

- Not affiliated with any of the groups that submitted entries
- From various positions and industries

Website Entries (4)



Identity & Access Management

Identity & Access Management

- SASA IAM Policy Alignment
- Publications
- FICAM Compliance Checklist
- IAM Organizations
- SME Corner / FAQ
- Contact Us
- Surveys
- Search Center
- Websites of Interest
- Recycle Bin
- All Site Content

Identity and Access Management (IAM)

IAM Security Center

IAM

About IAM Security Center

The vision of the "IAM Security Center" is to provide the VA intranet user community with information pertaining to Federal and departmental security relating to Identity and Access Management (IAM). Particular emphasis is on Federal and departmental directives, policies and handbooks, other VA IAM related organizations, and specific information pertaining to VA application system Project Managers, Chief Information Officers, and Information Security Officers.

Did You Find What You Were Looking For?

Take this short survey to help us get to know you, so we can better serve you.

FICAM Compliance Checklist

This tool is designed to help ISOs (or designees) ensure services, systems, and applications are meeting FISMA controls through the use of VA's FICAM Services.

Policy Center

- Policy Alignment Map
- Policy Guide
- Publications
- White Papers

Promotional Materials

- Posters and Factsheets
- Newsletters
- Videos
- SASA IAM Team Toolkit
- Digital Defense Gear

IAM Organization

View organization charts to see where IAM fits in.

Websites of Interest

Look here for links to related offices and programs in VA.

In the Spotlight

New Year's Resolutions

At the start of each year, people often set goals around living a healthier lifestyle, career advancement, or money saving. However, take a moment to consider that a large percentage of individuals spend a majority of their time "plugged in" relying heavily on electronics for their day to day activities. So why not set goals around safeguarding our digital lives?

View Posters

Internet of Things

The Internet of Things (IoT)are everyday objects that can connect to the Internet, be recognized by other devices, and send information to a database. IoT's make your work and personal life easier but also expose you to security risks.

View Infographic

Know Your... Posters

Knowledge is a major factor in preventing security incidents. Awareness and information sharing help establish a solid foundation and the security posture necessary to defend organizations against breach and attack.

View Poster

Phishing Infographic

SASA IAM provides information to help those on the frontline defend against malicious threats. One of the most prevalent forms of cyber-attack is Phishing. Learn about the three types of Phishing scams that attackers may use to get sensitive information.

View Infographic

PIV Card Reissuance Posters

Keep informed on the VA-wide 2018 PIV Card reissuance process. If you have a PIV card expiring August 6, 2018, learn more about your two-month window of opportunity to get your card renewed.

View Poster 1 | View Poster 2 | View Poster 3

Is Your PIV Card Expiring August 6, 2018?

Read the Credential Management PMO Newsletter for information on the PIV Card issuance process.

Read Newsletter

Phishing Poster

Successful phishing attacks could allow attackers improper access to VA networks and sensitive information. Protect yourself and Veterans. Don't get hooked by phishing attacks!

ISO – PO Locator

Find an Information Security Officer or Privacy Officer

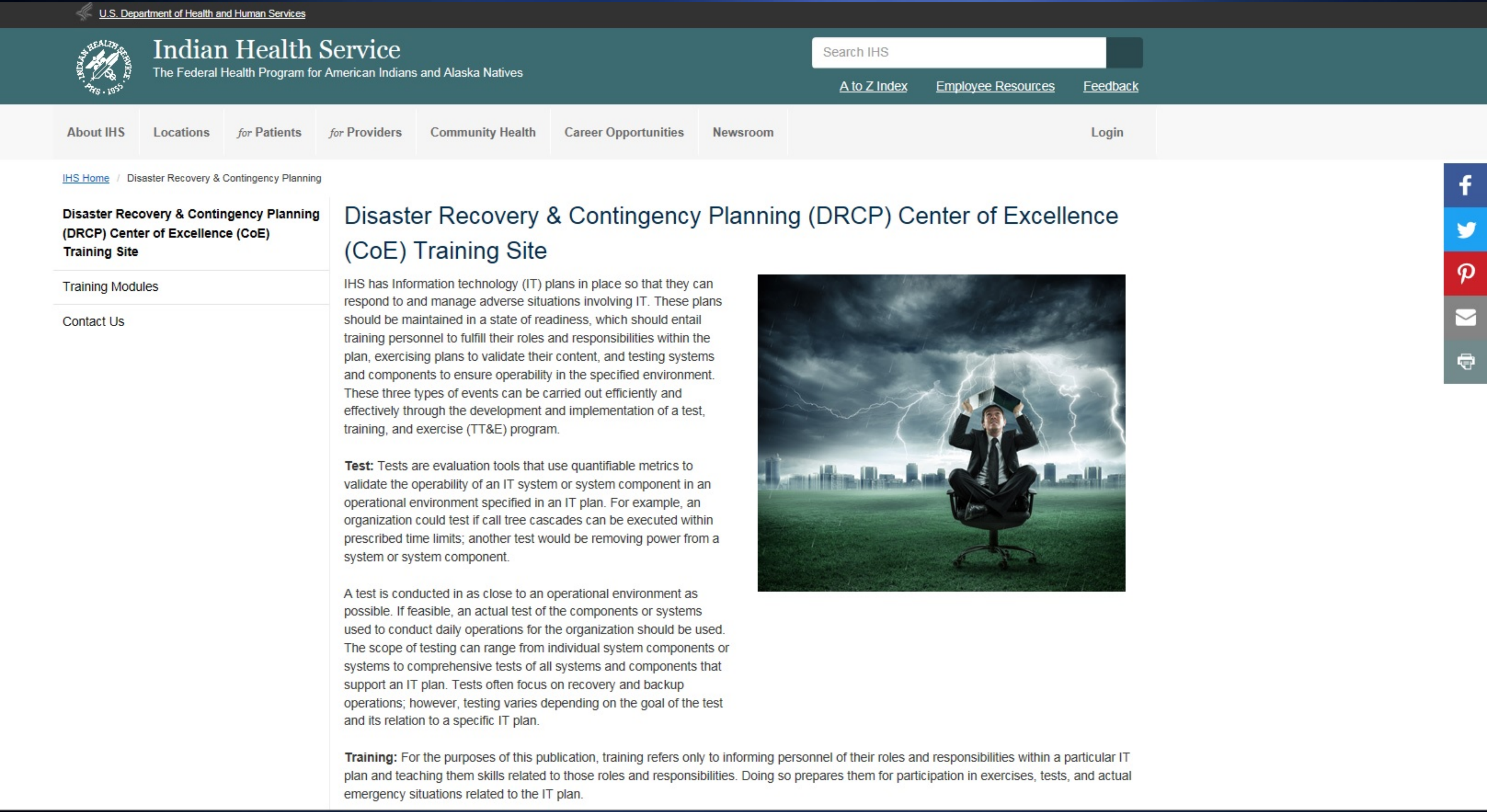
Read Current Issue Now

Subscribe for the latest security updates

Missed an issue? **View Archives**

OIS Portal

- ? SME Corner & FAQs
- Contact Us
- How Are We Doing?
- Get Alerts on Site Changes
- Self-Help Tools


U.S. Department of Health and Human Services
Indian Health Service
The Federal Health Program for American Indians and Alaska Natives
Search IHS
A to Z Index
Employee Resources
Feedback
About IHS
Locations
for Patients
for Providers
Community Health
Career Opportunities
Newsroom
Login
IHS Home / Disaster Recovery & Contingency Planning
Disaster Recovery & Contingency Planning (DRCP) Center of Excellence (CoE) Training Site
Training Modules
Contact Us

Disaster Recovery & Contingency Planning (DRCP) Center of Excellence (CoE) Training Site

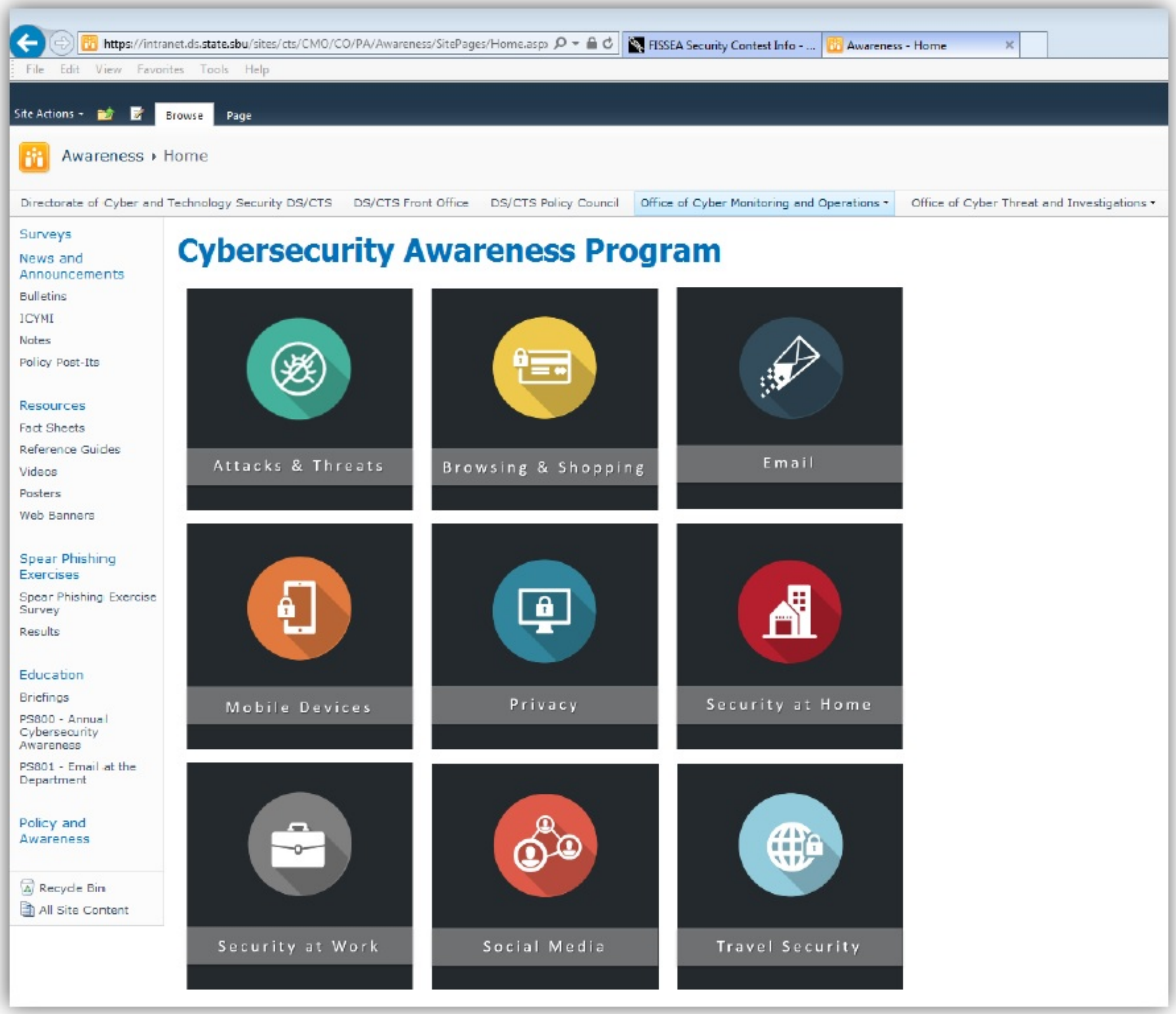
IHS has Information technology (IT) plans in place so that they can respond to and manage adverse situations involving IT. These plans should be maintained in a state of readiness, which should entail training personnel to fulfill their roles and responsibilities within the plan, exercising plans to validate their content, and testing systems and components to ensure operability in the specified environment. These three types of events can be carried out efficiently and effectively through the development and implementation of a test, training, and exercise (TT&E) program.

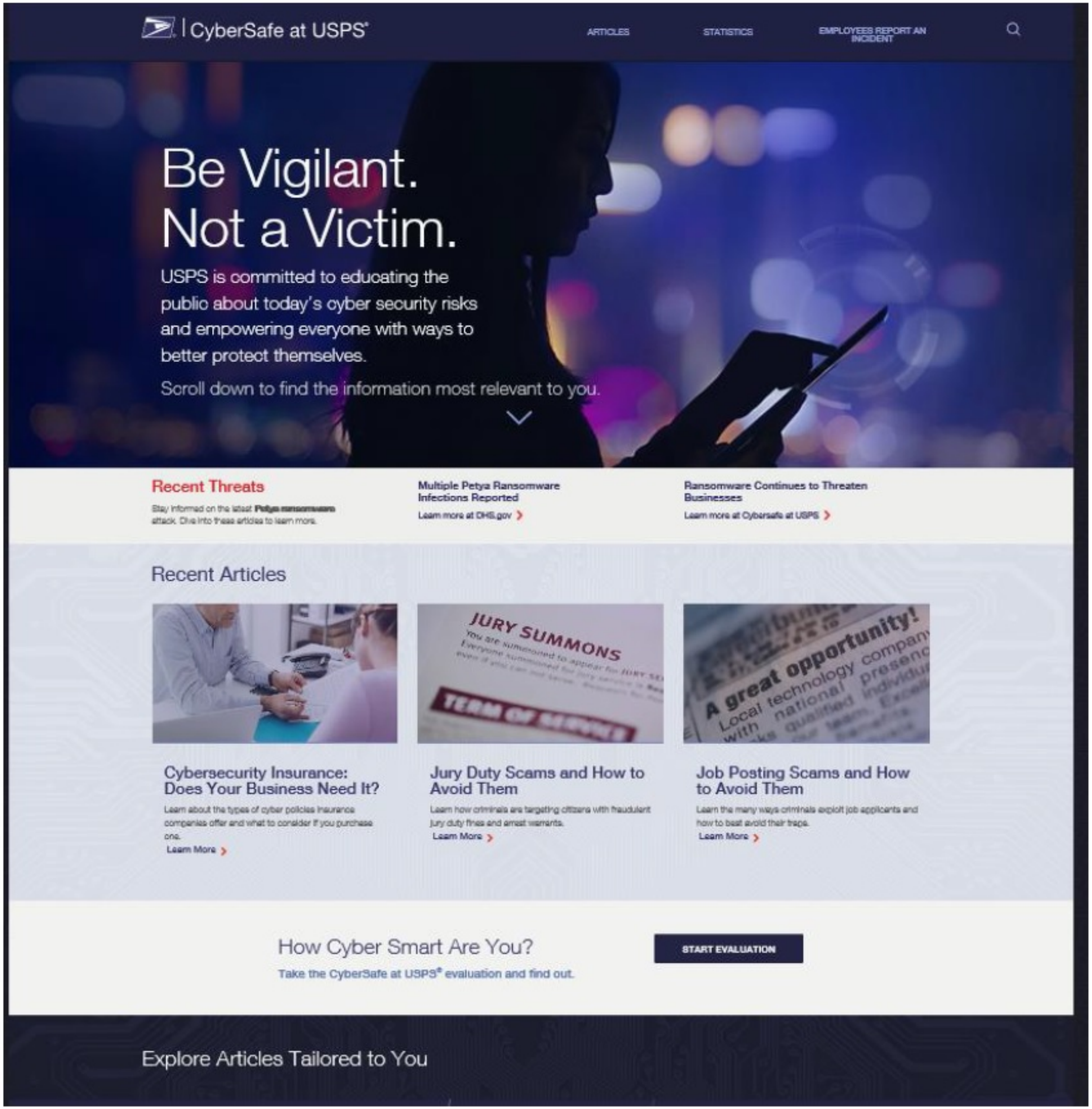
Test: Tests are evaluation tools that use quantifiable metrics to validate the operability of an IT system or system component in an operational environment specified in an IT plan. For example, an organization could test if call tree cascades can be executed within prescribed time limits; another test would be removing power from a system or system component.

A test is conducted in as close to an operational environment as possible. If feasible, an actual test of the components or systems used to conduct daily operations for the organization should be used. The scope of testing can range from individual system components or systems to comprehensive tests of all systems and components that support an IT plan. Tests often focus on recovery and backup operations; however, testing varies depending on the goal of the test and its relation to a specific IT plan.

Training: For the purposes of this publication, training refers only to informing personnel of their roles and responsibilities within a particular IT plan and teaching them skills related to those roles and responsibilities. Doing so prepares them for participation in exercises, tests, and actual emergency situations related to the IT plan.

Cybersecurity Awareness Program Home Page





Be Vigilant. Not a Victim.

USPS is committed to educating the public about today's cyber security risks and empowering everyone with ways to better protect themselves.

Scroll down to find the information most relevant to you.

Recent Threats

Stay informed on the latest **Petya ransomware** attack. Dive into these articles to learn more.

Multiple Petya Ransomware Infections Reported
Learn more at DHS.gov ›

Ransomware Continues to Threaten Businesses
Learn more at Cybersafe at USPS ›

Recent Articles

Cybersecurity Insurance: Does Your Business Need It?

Learn about the types of cyber policies insurance companies offer and what to consider if you purchase one.
Learn More ›

Jury Duty Scams and How to Avoid Them

Learn how criminals are targeting citizens with fraudulent jury duty fines and arrest warrants.
Learn More ›

Job Posting Scams and How to Avoid Them

Learn the many ways criminals exploit job applicants and how to best avoid their traps.
Learn More ›

How Cyber Smart Are You?

Take the CyberSafe at USPS® evaluation and find out.

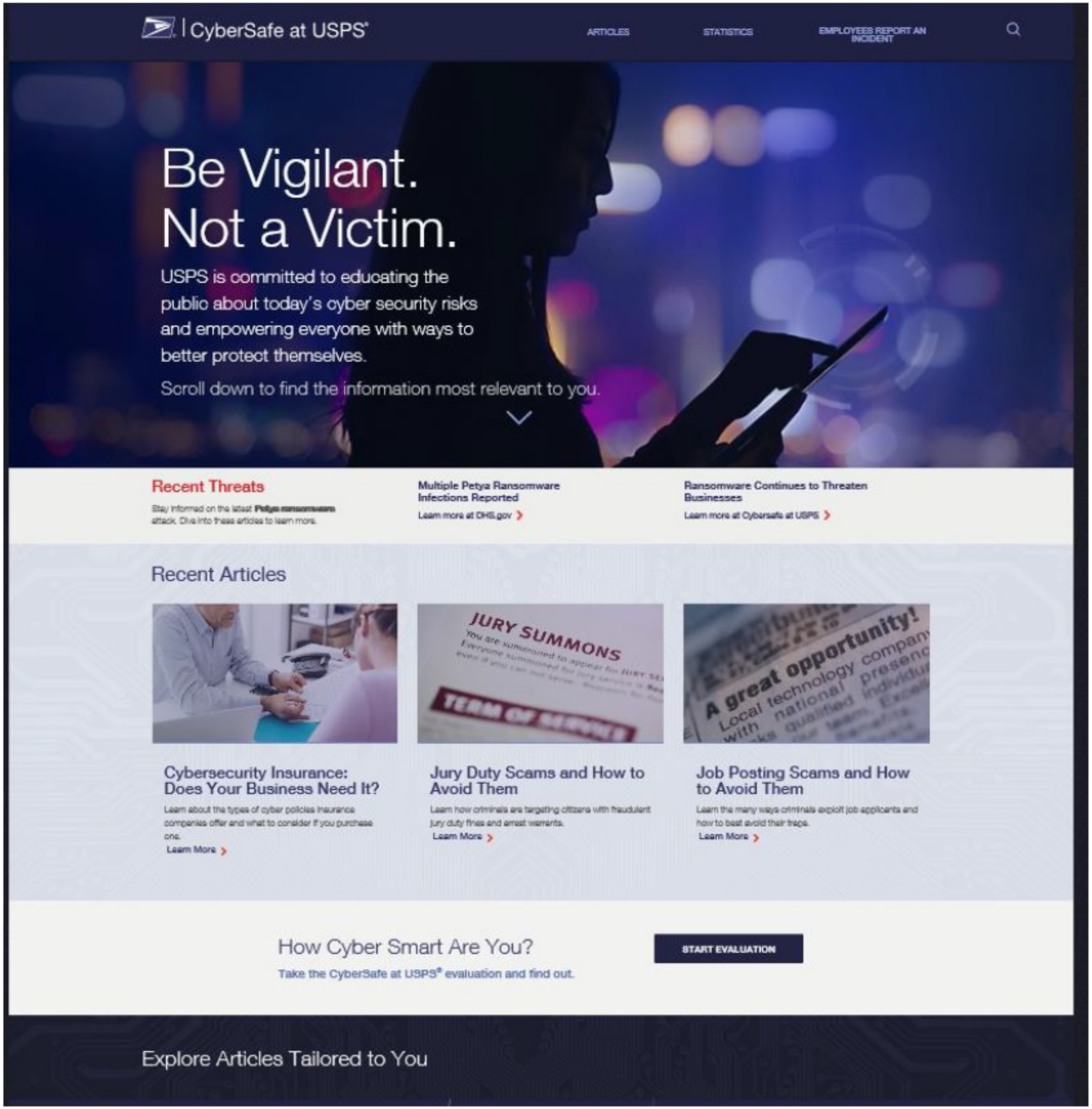
Explore Articles Tailored to You

Website Winner!

Evonne Thomas

Organization:

US Postal Service Corporate Information Security Office (USPS CISO)



Be Vigilant. Not a Victim.

USPS is committed to educating the public about today's cyber security risks and empowering everyone with ways to better protect themselves.

Scroll down to find the information most relevant to you.

Recent Threats

Stay informed on the latest **Petya ransomware** attack. Dive into these articles to learn more.

Multiple Petya Ransomware Infections Reported

Learn more at DHS.gov ›

Ransomware Continues to Threaten Businesses

Learn more at Cybersafe at USPS ›

Recent Articles

Cybersecurity Insurance: Does Your Business Need It?

Learn about the types of cyber policies insurance companies offer and what to consider if you purchase one.

Learn More ›

Jury Duty Scams and How to Avoid Them

Learn how criminals are targeting citizens with fraudulent jury duty fines and arrest warrants.

Learn More ›

Job Posting Scams and How to Avoid Them

Learn the many ways criminals exploit job applicants and how to best avoid their traps.

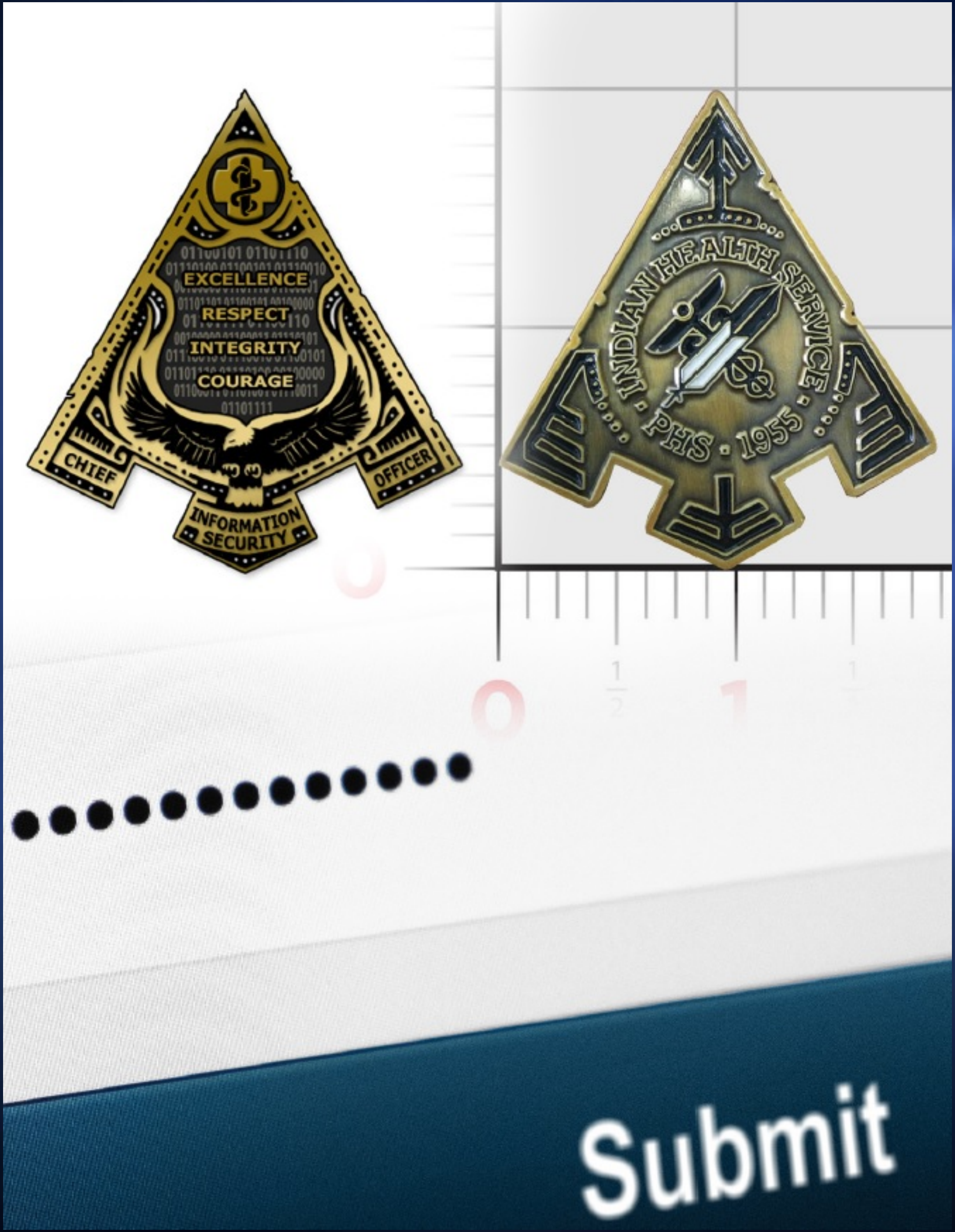
Learn More ›

How Cyber Smart Are You?

Take the CyberSafe at USPS® evaluation and find out.

Explore Articles Tailored to You

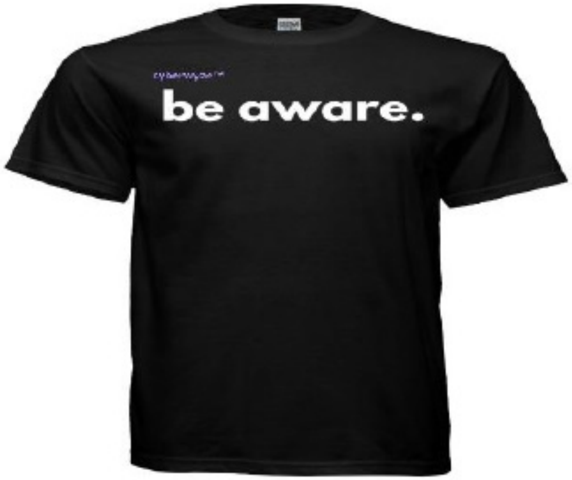
Motivational Item Entries (5)


EXCELLENCE
RESPECT
INTEGRITY
COURAGE
CHIEF
OFFICER
INFORMATION SECURITY
INDIAN HEALTH SERVICE
PHS · 1955
0
1/2
1
Submit

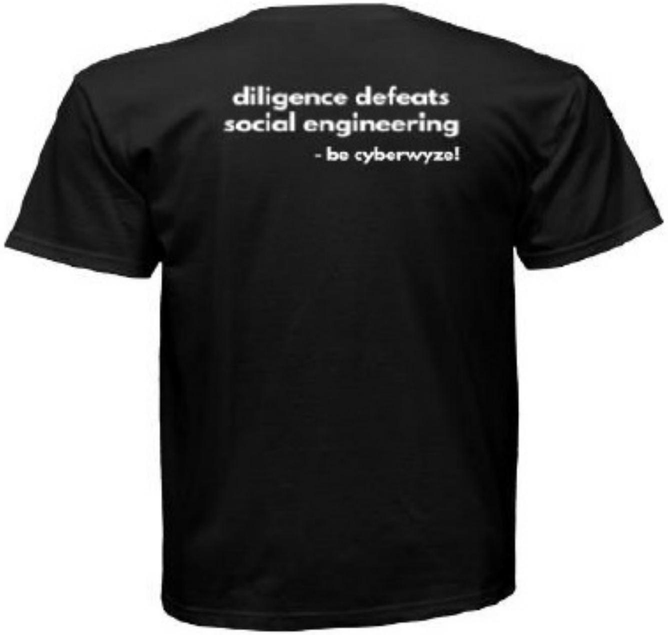
SECURITY AWARENESS ROUNDS & STOPS

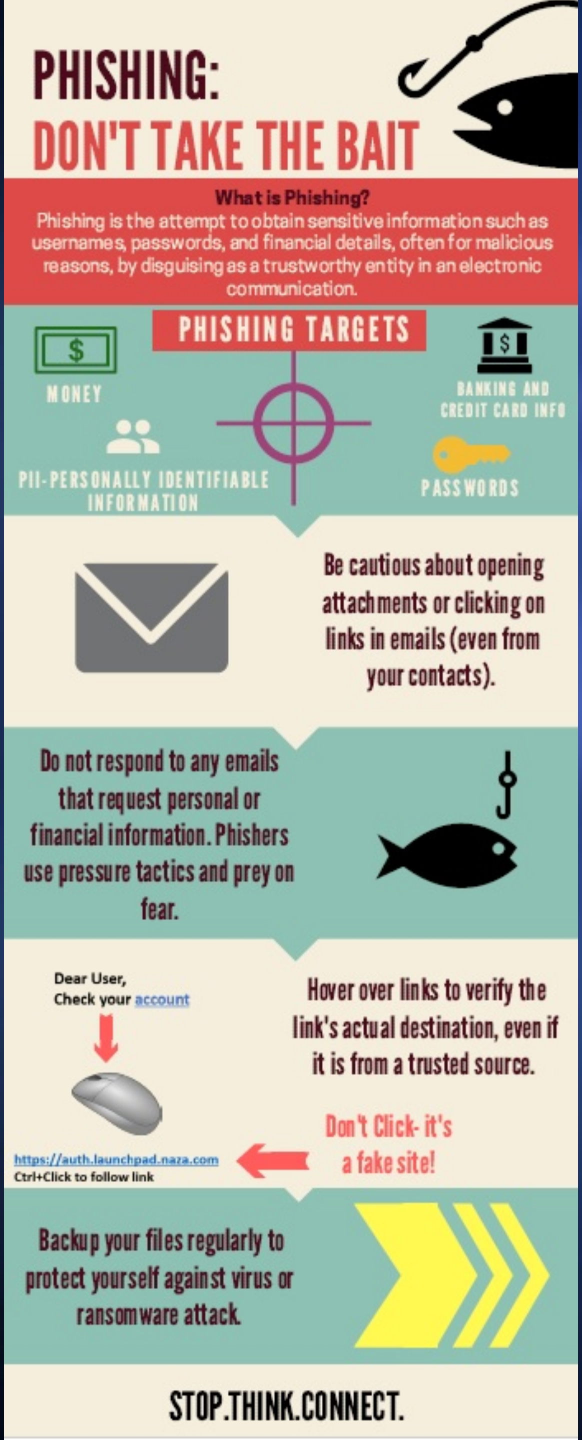
CyberSafe™
at USPS

FRONT of T-Shirt



BACK of T-Shirt





PHISHING: DON'T TAKE THE BAIT

What is Phishing?

Phishing is the attempt to obtain sensitive information such as usernames, passwords, and financial details, often for malicious reasons, by disguising as a trustworthy entity in an electronic communication.

PHISHING TARGETS

MONEY

BANKING AND CREDIT CARD INFO

PII-PERSONALLY IDENTIFIABLE INFORMATION

PASSWORDS

Be cautious about opening attachments or clicking on links in emails (even from your contacts).

Do not respond to any emails that request personal or financial information. Phishers use pressure tactics and prey on fear.

Dear User,
Check your account

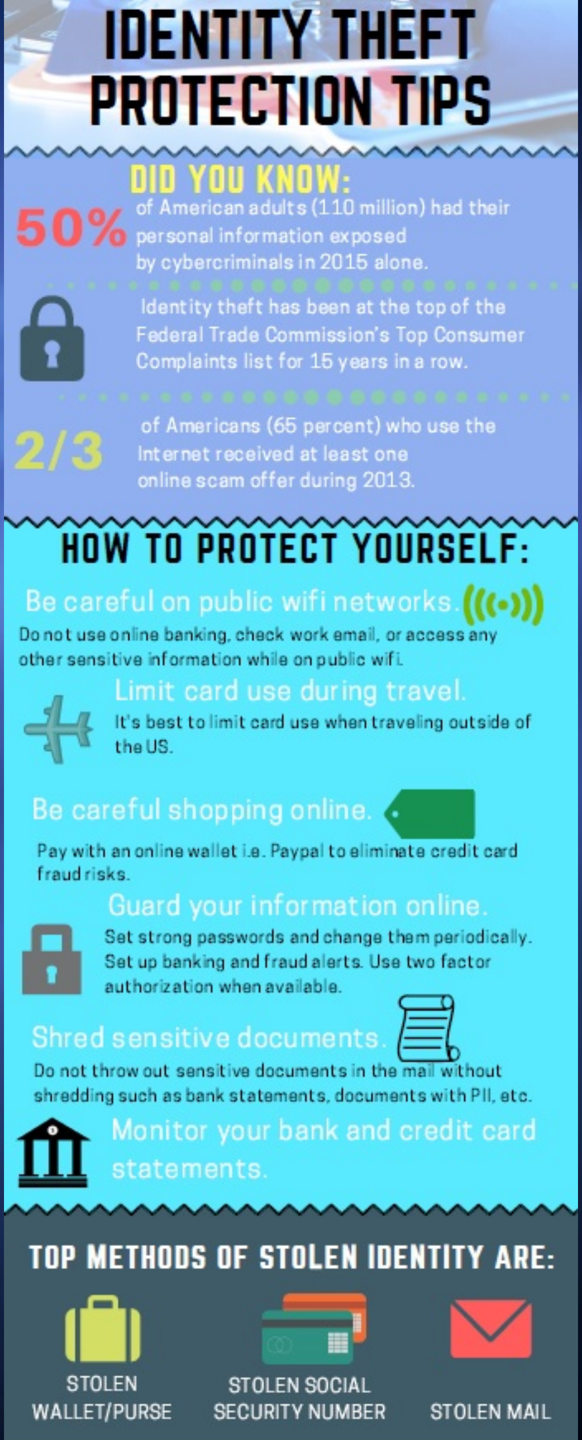
https://auth.launchpad.naza.com
Ctrl+Click to follow link

Hover over links to verify the link's actual destination, even if it is from a trusted source.

Don't Click- it's a fake site!

Backup your files regularly to protect yourself against virus or ransomware attack.

STOP.THINK.CONNECT.



IDENTITY THEFT PROTECTION TIPS

DID YOU KNOW:

50% of American adults (110 million) had their personal information exposed by cybercriminals in 2015 alone.

Identity theft has been at the top of the Federal Trade Commission's Top Consumer Complaints list for 15 years in a row.

2/3 of Americans (65 percent) who use the Internet received at least one online scam offer during 2013.

HOW TO PROTECT YOURSELF:

Be careful on public wifi networks.

Do not use online banking, check work email, or access any other sensitive information while on public wifi.

Limit card use during travel.

It's best to limit card use when traveling outside of the US.

Be careful shopping online.

Pay with an online wallet i.e. Paypal to eliminate credit card fraud risks.

Guard your information online.

Set strong passwords and change them periodically. Set up banking and fraud alerts. Use two factor authorization when available.

Shred sensitive documents.

Do not throw out sensitive documents in the mail without shredding such as bank statements, documents with PII, etc.

Monitor your bank and credit card statements.

TOP METHODS OF STOLEN IDENTITY ARE:

STOLEN WALLET/PURSE

STOLEN SOCIAL SECURITY NUMBER

STOLEN MAIL

Motivational Item Winner!

K Rudolph, Niomi Rosenberg, Amira Armond, G. Mark Hardy, & Bryan Walthall

Organization:

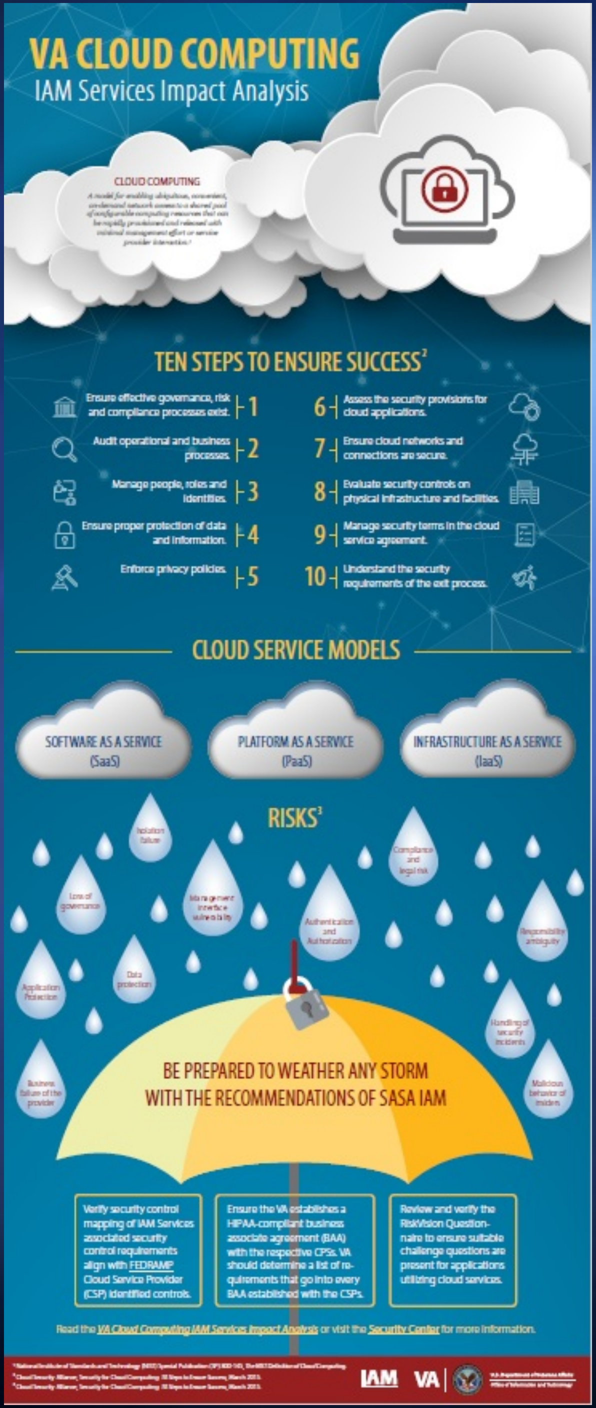
Native Intelligence, Inc.

SECURITY AWARENESS ROUNDS & STOPS

Poster Entries (15)

Backup Safely

Don't mix business and personal cloud storage.



VA CLOUD COMPUTING

IAM Services Impact Analysis

CLOUD COMPUTING

A model for enabling ubiquitous, convenient, on-demand network access to a shared pool of configurable computing resources that can be rapidly provisioned and released with minimal management effort or service provider interaction.[1]

TEN STEPS TO ENSURE SUCCESS[2]

1 Ensure effective governance, risk and compliance processes exist.

2 Audit operational and business processes.

3 Manage people, roles and identities.

4 Ensure proper protection of data and information.

5 Enforce privacy policies.

6 Assess the security provisions for cloud applications.

7 Ensure cloud networks and connections are secure.

8 Evaluate security controls on physical infrastructure and facilities.

9 Manage security terms in the cloud service agreement.

10 Understand the security requirements of the exit process.

CLOUD SERVICE MODELS

SOFTWARE AS A SERVICE (SaaS)

PLATFORM AS A SERVICE (PaaS)

INFRASTRUCTURE AS A SERVICE (IaaS)

RISKS[3]

Isolation failure
Loss of governance
Management interface vulnerability
Compliance and legal risk
Authentication and Authorization
Responsibility ambiguity
Application Protection
Data protection
Handling of security incidents
Business failure of the provider
Malicious behavior of insiders

BE PREPARED TO WEATHER ANY STORM WITH THE RECOMMENDATIONS OF SASA IAM

Verify security control mapping of IAM Services associated security control requirements align with FEDRAMP Cloud Service Provider (CSP) identified controls.

Ensure the VA establishes a HIPAA-compliant business associate agreement (BAA) with the respective CPSs. VA should determine a list of requirements that go into every BAA established with the CSPs.

Review and verify the RiskVision Questionnaire to ensure suitable challenge questions are present for applications utilizing cloud services.

Read the *VA Cloud Computing IAM Services Impact Analysis* or visit the Security Center for more information.

[1] National Institute of Standards and Technology (NIST) Special Publication (SP) 800-145, The NIST Definition of Cloud Computing.

[2] Cloud Security Alliance, Security for Cloud Computing: 10 Steps to Ensure Success, March 2015.

[3] Cloud Security Alliance, Security for Cloud Computing: 10 Steps to Ensure Success, March 2015.

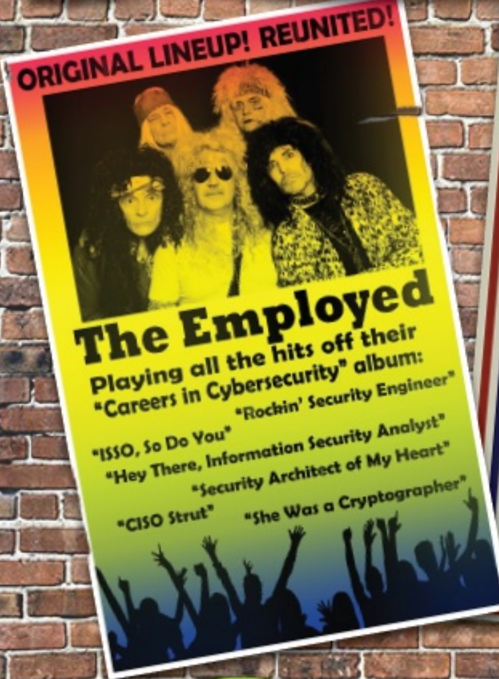
National Cybersecurity Awareness Month

National Cybersecurity Awareness Month

OCTOBER 2017

WEEK 4

See Yourself Working in Cybersecurity


ORIGINAL LINEUP! REUNITED!
The Employed
Playing all the hits off their "Careers in Cybersecurity" album:
"Rockin' Security Engineer"
"ISSO, So Do You"
"Hey There, Information Security Analyst"
"Security Architect of My Heart"
"She Was a Cryptographer"
"CISO Strut"

CAPTAIN CYBERSECURITY SAYS...
I WANT YOU FOR CYBERSECURITY
HTTPS://WWW.CYBERCAREERS.GOV

Cybersecurity threats are on the rise, and we need **passionate professionals** to protect Indian Health Service (IHS) patient Information!

Be a Cybersecurity IHS Super Hero and join our cause by staying **cyberaware** of security tips like the ones below.

TAKE ONE

Don't fall for phishing scams.

Limit personal information you post on social media.

Keep your portable devices with you at all times.

Use strong passwords.

Don't conduct sensitive transactions on public Wi-Fi.

Lock your computer when you leave your workstation.

Follow security policies for managing work data.

Report incidents: csirt@ihs.gov.

No question is wrong. Email all to cybersecurity@ihs.gov.

PHISHING

SECURITY BREECHES

RISKY
UPLOADS

BEWARE THE BOGEYMAN

TAILGATING

MALWARE

UNSECURED DATA

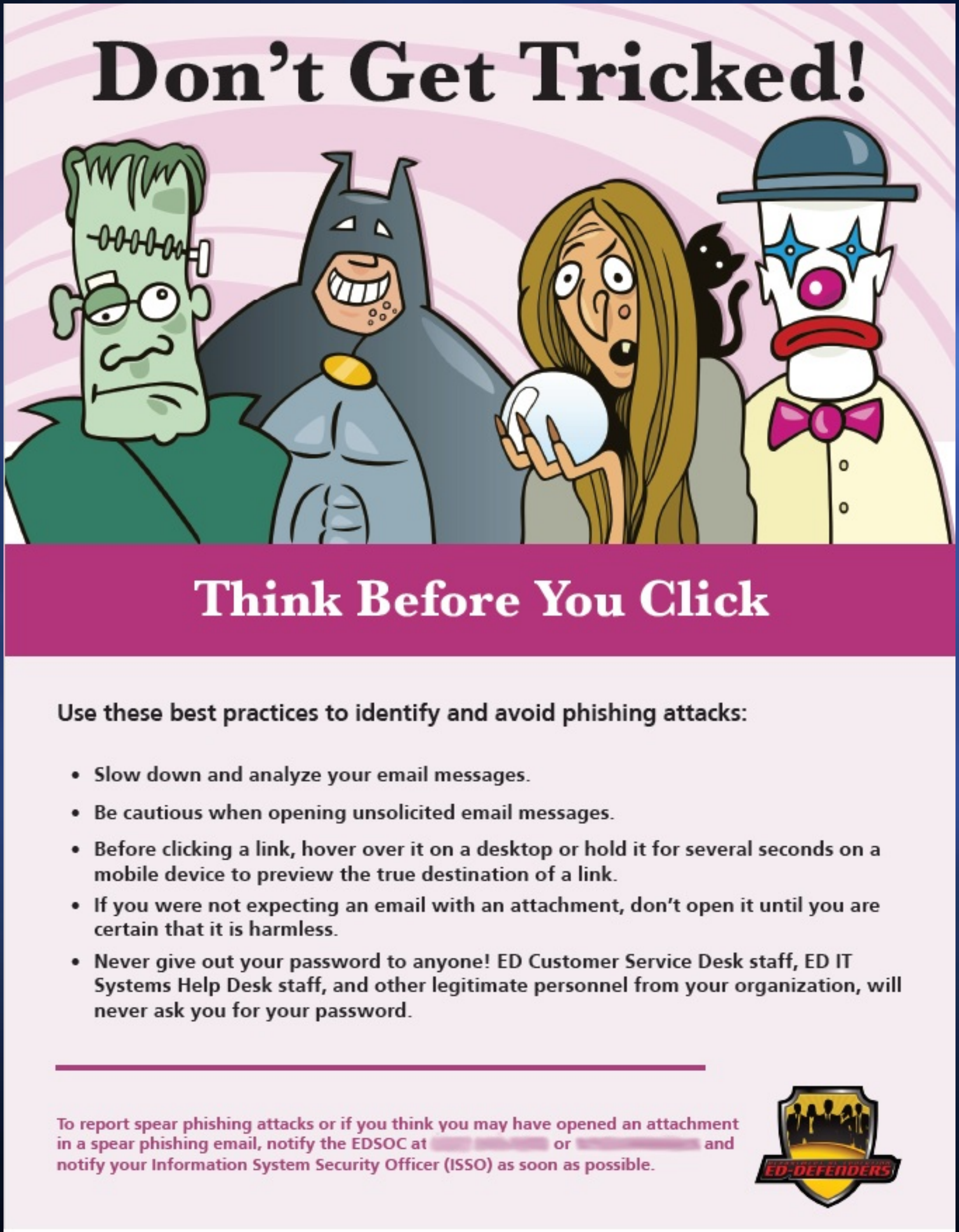
At IFDS, information security is everyone's responsibility. Don't get "**Busted by Bogey**".

In cybersecurity, there should be no ifs, ands, or butts!

ITWD

IT WORKFORCE DEVELOPMENT

Don’t let cybersecurity take a backseat.



Don't Get Tricked!

Think Before You Click

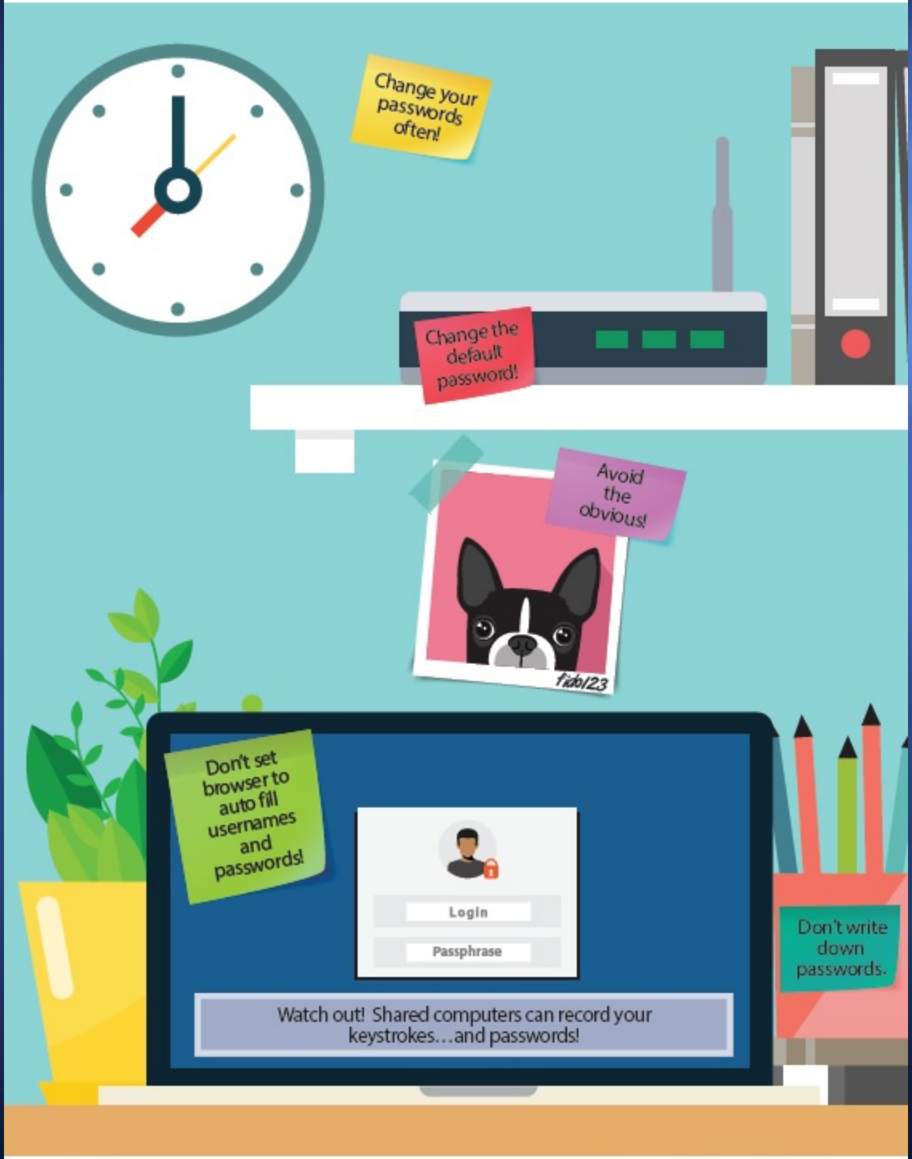
Use these best practices to identify and avoid phishing attacks:

- Slow down and analyze your email messages.
- Be cautious when opening unsolicited email messages.
- Before clicking a link, hover over it on a desktop or hold it for several seconds on a mobile device to preview the true destination of a link.
- If you were not expecting an email with an attachment, don't open it until you are certain that it is harmless.
- Never give out your password to anyone! ED Customer Service Desk staff, ED IT Systems Help Desk staff, and other legitimate personnel from your organization, will never ask you for your password.

To report spear phishing attacks or if you think you may have opened an attachment in a spear phishing email, notify the EDSOC at [redacted] or [redacted] and notify your Information System Security Officer (ISSO) as soon as possible.

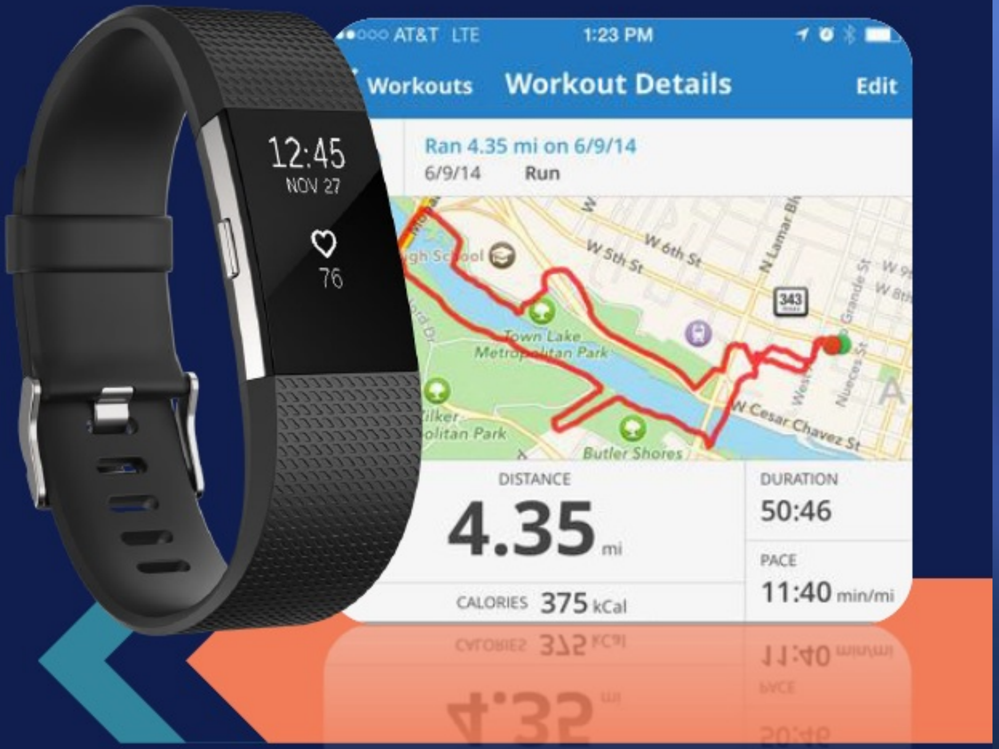
Strong Passwords

The strongest password you can make is a passphrase that's memorable to you - and nobody else! Follow CyberCARES's tips to protect your sensitive information.


Change your passwords often!
Change the default password!
Avoid the obvious!
fido123
Don't set browser to auto fill usernames and passwords!
Login
Passphrase
Don't write down passwords.
Watch out! Shared computers can record your keystrokes…and passwords!

There are more CyberCARE Tips at:
https://intranet.hhs.gov/security/cyber-care.html

Are you the only one **tracking your run?**



Workout Details

Ran 4.35 mi on 6/9/14

6/9/14 Run

DISTANCE 4.35 mi

DURATION 50:46

PACE 11:40 min/mi

CALORIES 375 kCal

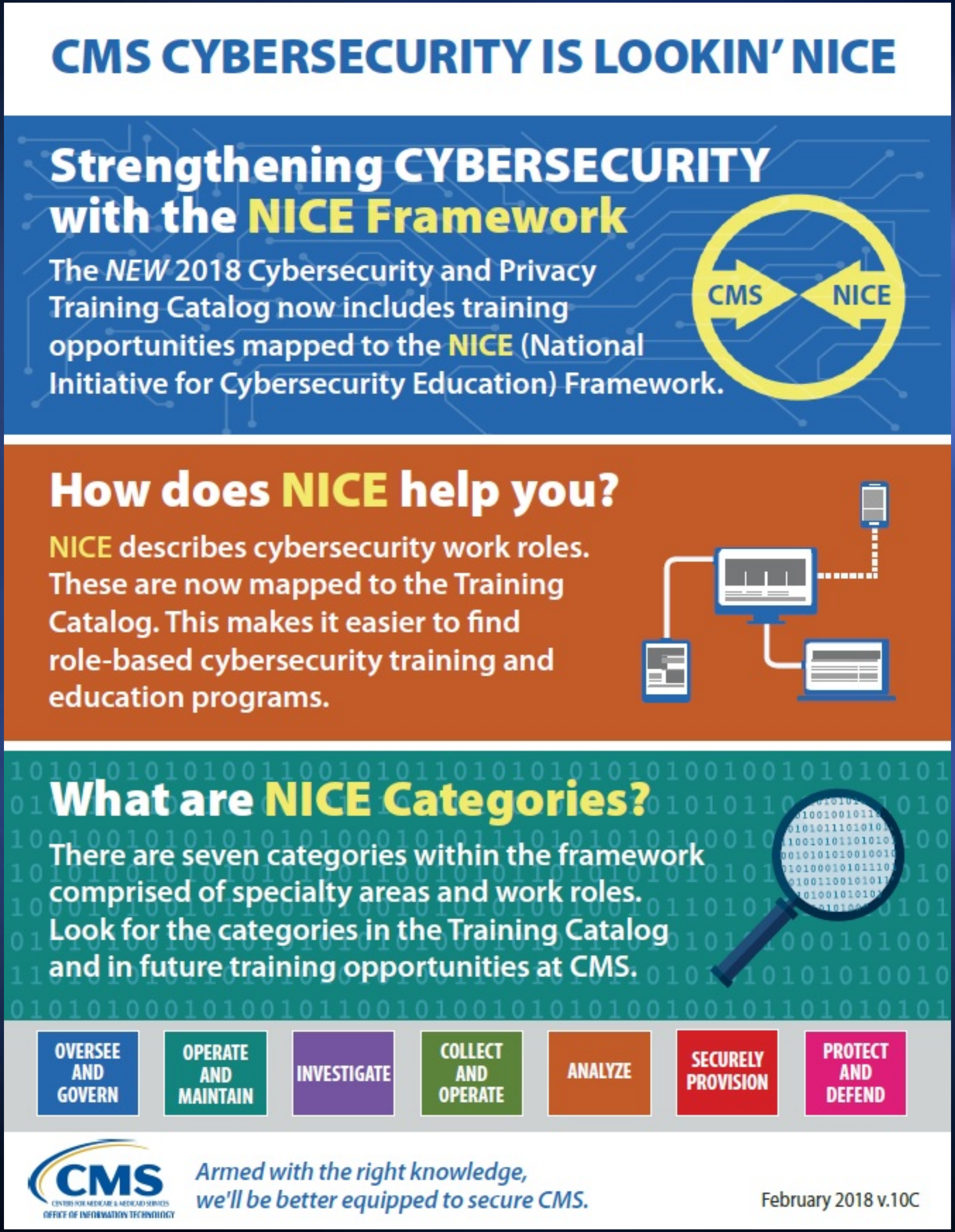
When using fitness trackers, mobile devices, and other apps with geotagging, remember you may be broadcasting more than you realize.

DIPLOMATIC SECURITY
CYBER AND TECHNOLOGY SECURITY

Staying in my comfort zone.
NOT going too College
WRITE YOUR BIGGEST REGRET
Not being a better friend
Spending all the money I have
CLICKING THAT LINK.
Burning bridges!!
NOT TRUSTING MY GUT
Tattoo of her name
THAT SELFIE...
POSTING WHILE ANGRY
Working TOO MUCH
NOT STANDING UP TO THAT BULLY
NOT HAVING KIDS
Having Kids!
Trading 10,000 bitcoins for pizza :(
Not saying "I love you."
SLEPT WITH BEST FRIEND
© 2018 NATIVE INTELLIGENCE, INC.

Think Before You Click.

(and Be Kind)



CMS CYBERSECURITY IS LOOKIN' NICE

Strengthening CYBERSECURITY with the NICE Framework

The *NEW* 2018 Cybersecurity and Privacy Training Catalog now includes training opportunities mapped to the NICE (National Initiative for Cybersecurity Education) Framework.

How does NICE help you?

NICE describes cybersecurity work roles. These are now mapped to the Training Catalog. This makes it easier to find role-based cybersecurity training and education programs.

What are NICE Categories?

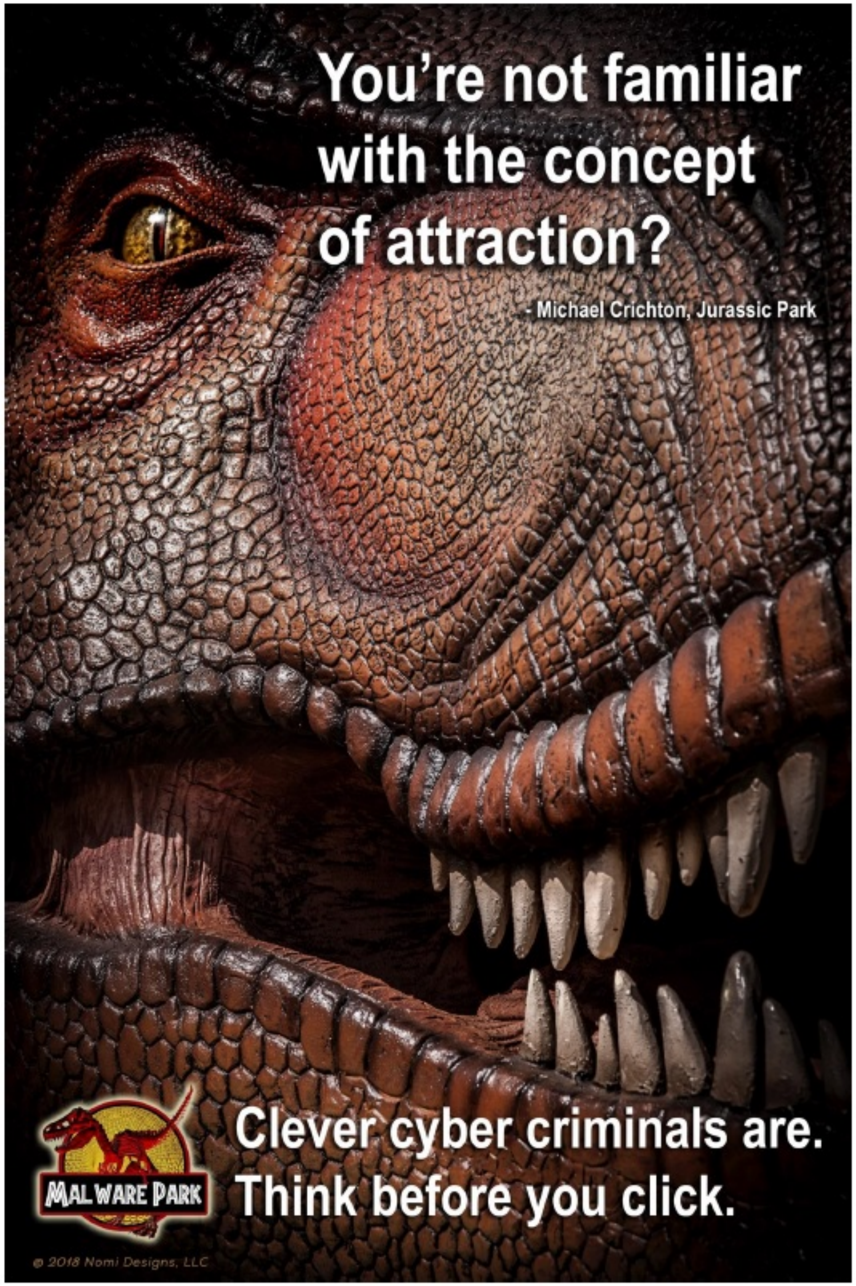
There are seven categories within the framework comprised of specialty areas and work roles. Look for the categories in the Training Catalog and in future training opportunities at CMS.

- OVERSEE AND GOVERN
- OPERATE AND MAINTAIN
- INVESTIGATE
- COLLECT AND OPERATE
- ANALYZE
- SECURELY PROVISION
- PROTECT AND DEFEND

CMS
CENTERS FOR MEDICARE & MEDICAID SERVICES
OFFICE OF INFORMATION TECHNOLOGY

Armed with the right knowledge, we'll be better equipped to secure CMS.

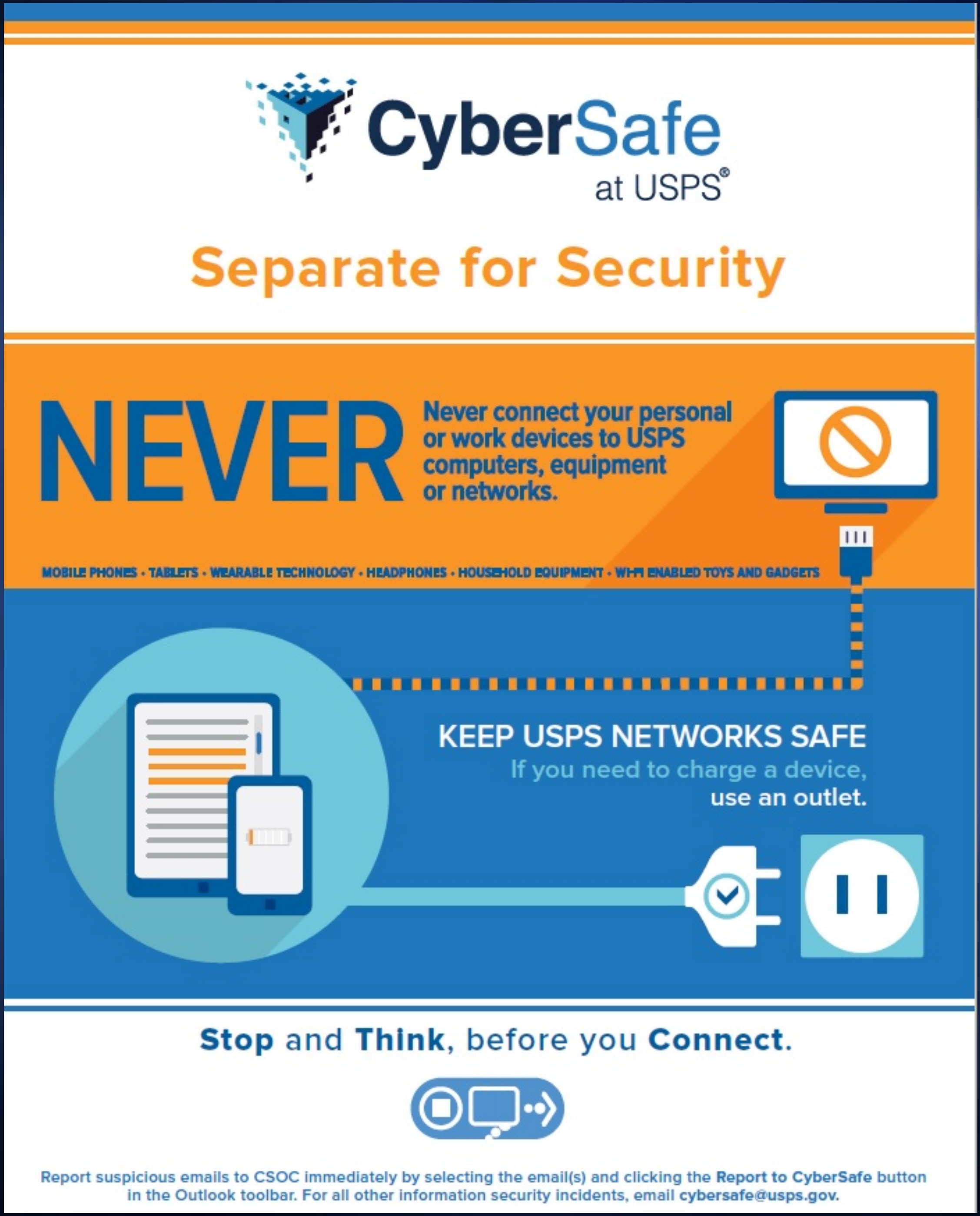
February 2018 v.10C



You’re not familiar with the concept of attraction?

- Michael Crichton, Jurassic Park

Clever cyber criminals are.
Think before you click.



CyberSafe at USPS®

Separate for Security

NEVER Never connect your personal or work devices to USPS computers, equipment or networks.

MOBILE PHONES • TABLETS • WEARABLE TECHNOLOGY • HEADPHONES • HOUSEHOLD EQUIPMENT • WI-FI ENABLED TOYS AND GADGETS

KEEP USPS NETWORKS SAFE

If you need to charge a device, **use an outlet.**

Stop and **Think**, before you **Connect**.

Report suspicious emails to CSOC immediately by selecting the email(s) and clicking the **Report to CyberSafe** button in the Outlook toolbar. For all other information security incidents, email **cybersafe@usps.gov**.

Simple Rules to Keep your Systems & Network Safe

DO NOT open or download when emails says ✗

‘ you won lottery’

‘ fund for you’

‘ your legal hairs sent money’

‘ send me your account details’

‘ free for you to try’

‘ ransom requested’

‘ transferred money to your account’

‘ here is data you requested’

‘ mail from bank asking for personal info’

‘ mail from unknown entity asking personal info’

DO open or download emails only if ✓

‘ do not pose security risks/challenges’

‘ Pay attention to ‘from domain’ in email’

‘ you trust sender’

‘ you think relevant for you/your business’

‘ email does not sound creepy’

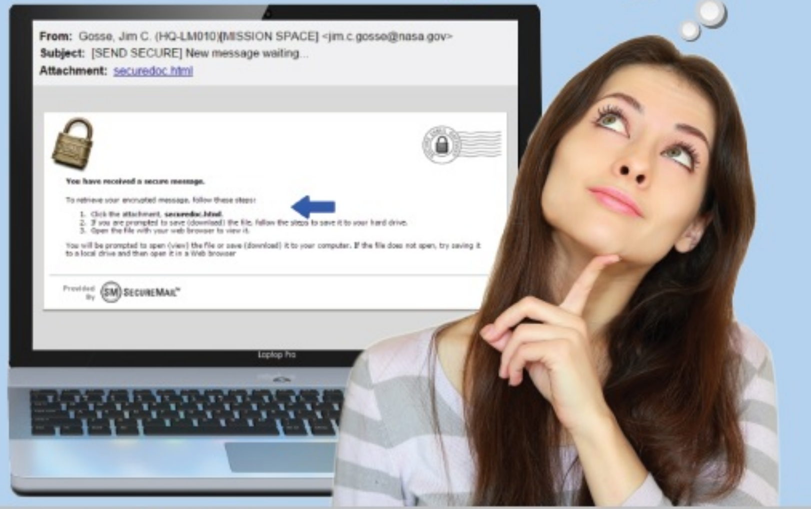
‘ do not click on link in email unless you are sure it is safe to do so’

‘ be careful opening large attachment’

Security is always important, Say NO to Spam, Spoofing, Phishing, Junk, Ransomware, Data breaches or unsolicited emails

National Aeronautics and
Space Administration

Phishful Thinking



From: Gosse, Jim C. (HQ-LM010)[MISSION SPACE] <jim.c.gosse@nasa.gov>
Subject: [SEND SECURE] New message waiting...
Attachment: secureddoc.html

You have received a secure message.

To retrieve your encrypted message, follow these steps:

1. Click the attachment, **securedoc.html**.
2. If you are prompted to save (download) the file, follow the steps to save it to your hard drive.
3. Open the file with your web browser to view it.

You will be prompted to open (view) the file or save (download) it to your computer. If the file does not open, try saving it to a local drive and then open it in a Web browser

Provided By SECUREMAIL™

DON'T

- Open email from unknown sources
- Enter personal information
- Enter system credentials

DO

- Examine the sender's email address
- Move mouse over links to determine validity
- Report emails to soc@nasa.gov immediately

IF A LINK LOOKS PHISHY, DON'T OPEN IT!

Phishing is a form of social engineering in which cyber criminals trick people into providing personal information by pretending to be someone they are not.

Learn more:

IT Security Awareness & Training Center

https://www.grc.nasa.gov/itsatc/security-threats/phishing

www.nasa.gov

NP-2015-04-031-GRC

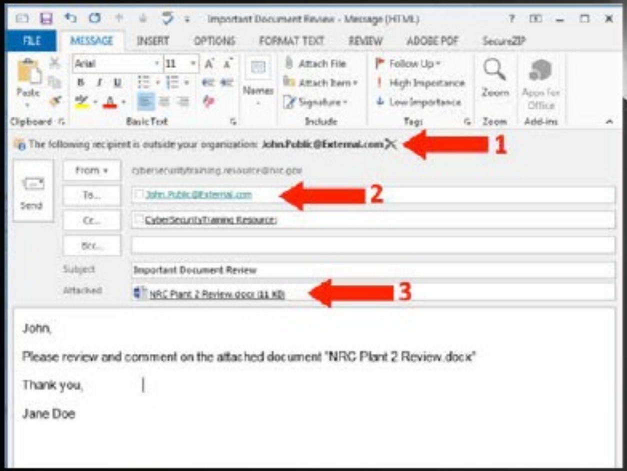
Be Aware...
Understand Outlook Auto-Complete

CLICK WITH CARE

The Microsoft Outlook Auto-Complete feature provides you with a list of suggested recipients based on the first letter or two you enter into the To, CC, or BCC field in an email. Be aware: you may accidently choose the wrong recipient and send sensitive data to the wrong individual.

Outlook has features intended to reduce the risk of sending email to unwanted external recipients. Demonstrated in the email below are some of these features and indicators you should be aware of:

1. Warning indicator that the sender is external to the NRC
2. External recipient address in a different color (blue) than the internal address below it (black)
3. Ensure your attachment is correct.



The following recipient is outside your organization: John.Public@External.com

From: cybersecuritytraining.resource@nrc.gov

To... John.Public@External.com

Cc... CyberSecurityTraining Resource;

Bcc...

Subject: Important Document Review

Attached: NRC Plant 2 Review.docx (11 KB)

John,

Please review and comment on the attached document "NRC Plant 2 Review.docx"

Thank you,

Jane Doe

We are all accountable for managing sensitive information

CLICK WITH CARE

Poster Winner!

Office of Information Technology

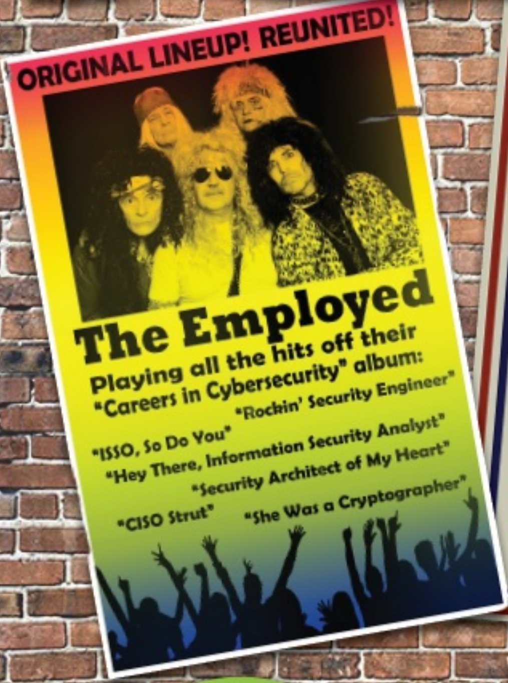
Organization:

Indian Health Service

National Cybersecurity Awareness Month

OCTOBER 2017 WEEK 4

See Yourself Working in Cybersecurity



ORIGINAL LINEUP! REUNITED!
The Employed
Playing all the hits off their "Careers in Cybersecurity" album:
"Rockin' Security Engineer"
"ISSO, So Do You"
"Hey There, Information Security Analyst"
"Security Architect of My Heart"
"CISO Strut"
"She Was a Cryptographer"

CAPTAIN CYBERSECURITY SAYS...
I WANT YOU FOR CYBERSECURITY
HTTPS://WWW.CYBERCAREERS.GOV

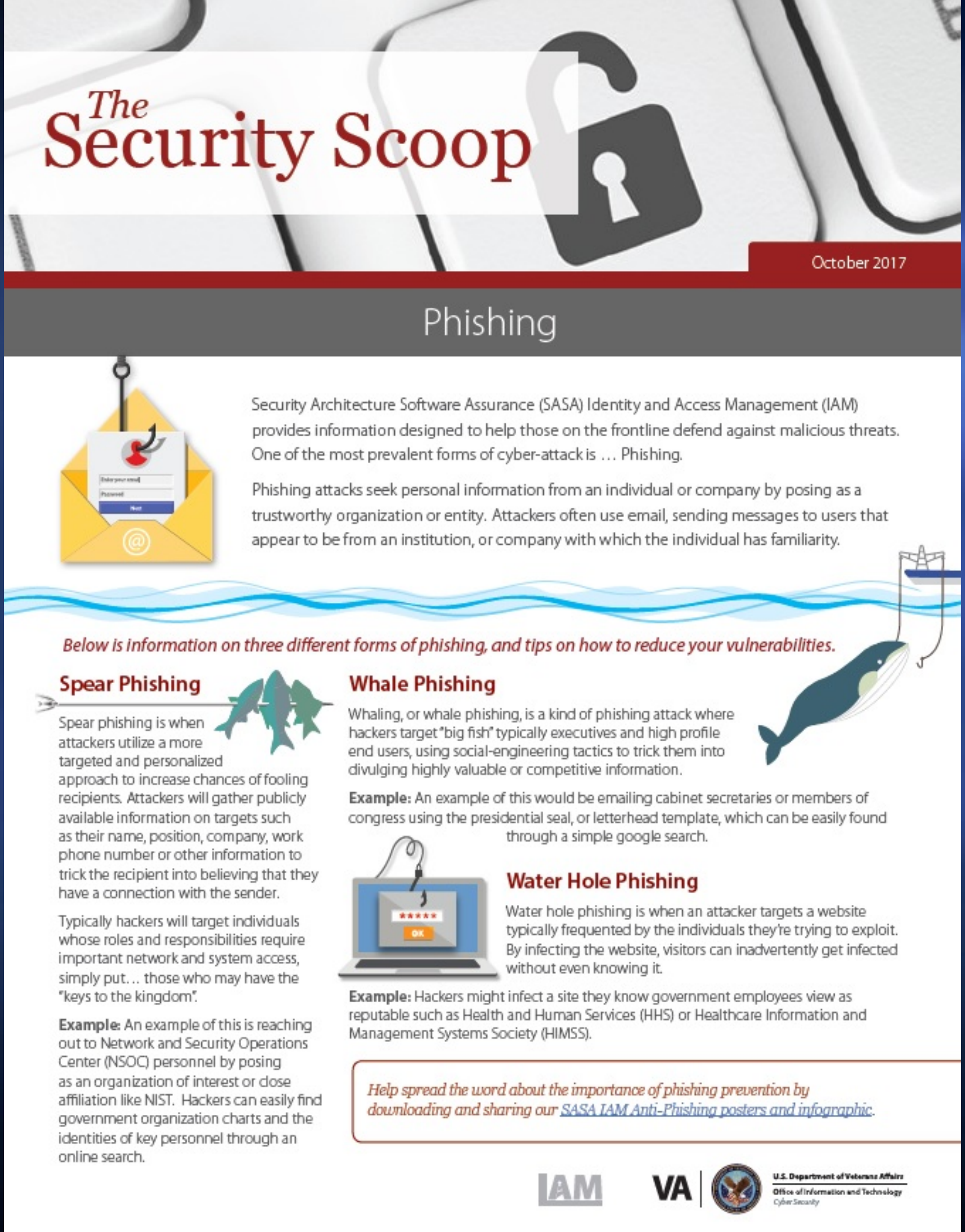
Cybersecurity threats are on the rise, and we need **passionate professionals** to protect Indian Health Service (IHS) patient Information!

Be a Cybersecurity IHS Super Hero and join our cause by staying **cyberaware** of security tips like the ones below.

TAKE ONE

- Don't fall for phishing scams.
- Limit personal information you post on social media.
- Keep your portable devices with you at all times.
- Use strong passwords.
- Don't conduct sensitive transactions on public Wi-Fi.
- Lock your computer when you leave your workstation.
- Follow security policies for managing work data.
- Report incidents: csirt@ihs.gov.
- No question is wrong. Email all to cybersecurity@ihs.gov.

Newsletter Entries (6)



The Security Scoop

October 2017

Phishing

Security Architecture Software Assurance (SASA) Identity and Access Management (IAM) provides information designed to help those on the frontline defend against malicious threats. One of the most prevalent forms of cyber-attack is … Phishing.

Phishing attacks seek personal information from an individual or company by posing as a trustworthy organization or entity. Attackers often use email, sending messages to users that appear to be from an institution, or company with which the individual has familiarity.

Below is information on three different forms of phishing, and tips on how to reduce your vulnerabilities.

Spear Phishing

Spear phishing is when attackers utilize a more targeted and personalized approach to increase chances of fooling recipients. Attackers will gather publicly available information on targets such as their name, position, company, work phone number or other information to trick the recipient into believing that they have a connection with the sender.

Typically hackers will target individuals whose roles and responsibilities require important network and system access, simply put… those who may have the "keys to the kingdom".

Example: An example of this is reaching out to Network and Security Operations Center (NSOC) personnel by posing as an organization of interest or close affiliation like NIST. Hackers can easily find government organization charts and the identities of key personnel through an online search.

Whale Phishing

Whaling, or whale phishing, is a kind of phishing attack where hackers target "big fish" typically executives and high profile end users, using social-engineering tactics to trick them into divulging highly valuable or competitive information.

Example: An example of this would be emailing cabinet secretaries or members of congress using the presidential seal, or letterhead template, which can be easily found through a simple google search.

Water Hole Phishing

Water hole phishing is when an attacker targets a website typically frequented by the individuals they're trying to exploit. By infecting the website, visitors can inadvertently get infected without even knowing it.

Example: Hackers might infect a site they know government employees view as reputable such as Health and Human Services (HHS) or Healthcare Information and Management Systems Society (HIMSS).

Help spread the word about the importance of phishing prevention by downloading and sharing our SASA IAM Anti-Phishing posters and infographic.

IAM VA | U.S. Department of Veterans Affairs
Office of Information and Technology
Cyber Security

National Cybersecurity Awareness Month

National Cybersecurity Awareness Month

OCTOBER 2017

WEEK 2

Cybersecurity in the Business Section

The IHS Explainer

Home.ihs.gov/security NATIONAL CYBERSECURITY AWARENESS MONTH cybersecurity@ihs.gov

2017 IN REVIEW HEALTHCARE BREACHES

The healthcare sector has a lot of information that can be valuable to criminals and thus it is an attractive target. Healthcare organizations often have personal information that criminals can use for traditional financial fraud -- things like names and Social Security numbers. Such organizations also have health insurance information, which can be more valuable because malicious actors can use it to commit medical fraud such as obtaining free medical care, purchasing medical equipment, or acquiring payment for fraudulent services.

Many breaches were in the news in 2017, which resulted from exposed websites, unencrypted storage drives, and users falling for phishing schemes.

This article highlights some of the largest healthcare breaches that occurred in 2017 and some key points that will help you do your part to make sure Indian Health Service (IHS) is safeguarding patients' information so we don't make the news for the wrong reasons!

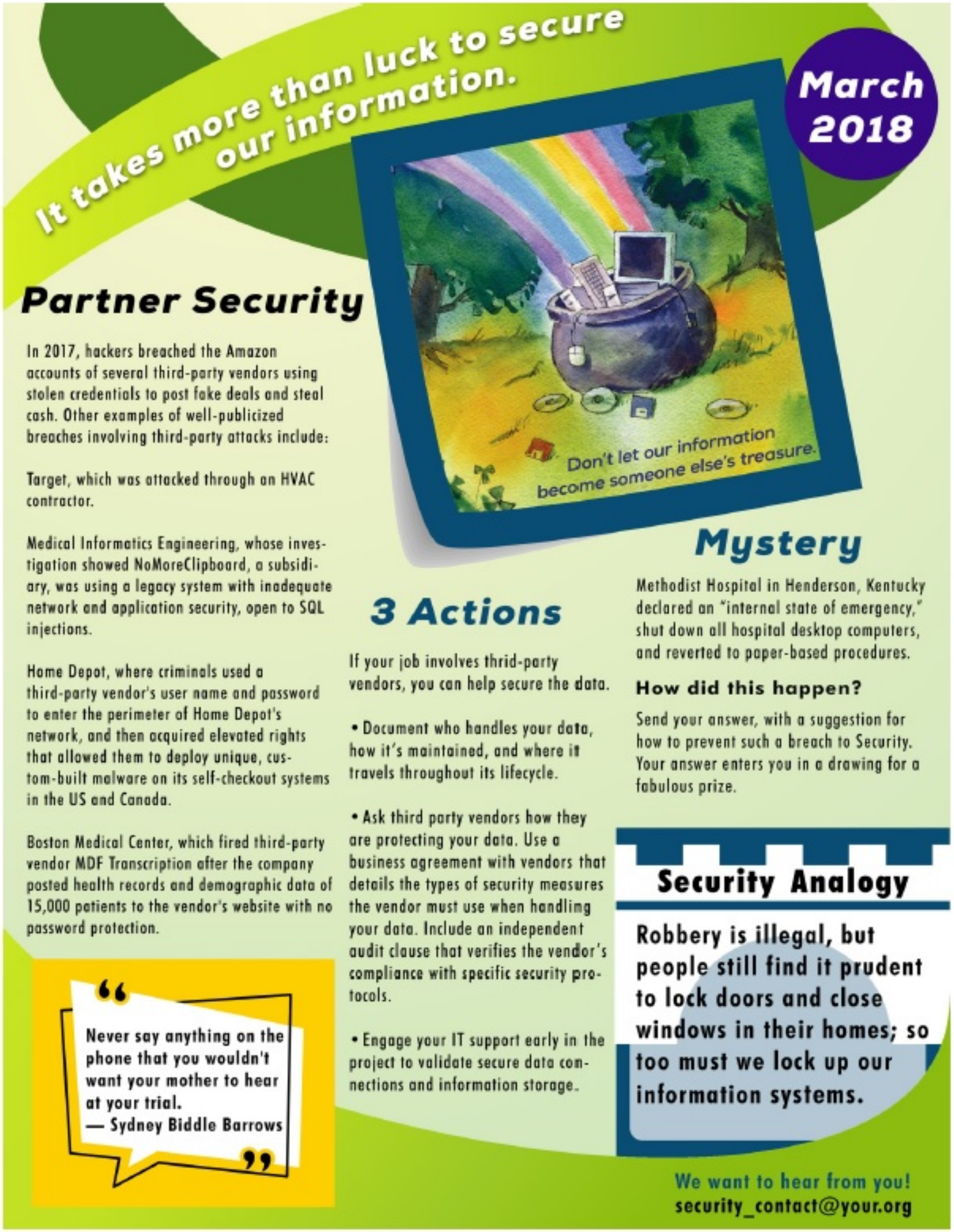
RANSOMWARE. The Women's Health Care Group of Pennsylvania notified 300,000 patients that a ransomware attack had put their personal health information at risk. The clinic discovered in May that a server and workstation located at one of its offices had been "infected by a virus designed to block access to system files."

IHS Tips. Early warning signs of a potential malware infection include: emails, text messages, or other types of peer-to-peer messages indicating you won something or owe a payment; computers running slower than usual; and unusual or new types of pop-up windows showing up.

PHISHING ATTACK. UC Davis Health notified 15,000 patients of a security breach after an employee fell prey to an email phishing scam and disclosed login credentials. The cybercriminal used these credentials to send emails to other staff members and requested bank transfers for large sums of money.

IHS Tips. Think before you click! Hover over links that you are unsure of before clicking on them, and pay attention to the website's URL. A malicious website may look identical to a legitimate site, but the URL may use a variation in spelling or a different domain (e.g., .com versus .net). Phishers like to use scare tactics and may threaten to disable an account or delay services until you update certain information.

(CONTINUED ON PAGE 2)



It takes more than luck to secure our information.

March 2018

Partner Security

In 2017, hackers breached the Amazon accounts of several third-party vendors using stolen credentials to post fake deals and steal cash. Other examples of well-publicized breaches involving third-party attacks include:

Target, which was attacked through an HVAC contractor.

Medical Informatics Engineering, whose investigation showed NoMoreClipboard, a subsidiary, was using a legacy system with inadequate network and application security, open to SQL injections.

Home Depot, where criminals used a third-party vendor's user name and password to enter the perimeter of Home Depot's network, and then acquired elevated rights that allowed them to deploy unique, custom-built malware on its self-checkout systems in the US and Canada.

Boston Medical Center, which fired third-party vendor MDF Transcription after the company posted health records and demographic data of 15,000 patients to the vendor's website with no password protection.

> "Never say anything on the phone that you wouldn't want your mother to hear at your trial.
> — Sydney Biddle Barrows"

Don't let our information become someone else's treasure.

3 Actions

If your job involves thrid-party vendors, you can help secure the data.

- Document who handles your data, how it's maintained, and where it travels throughout its lifecycle.
- Ask third party vendors how they are protecting your data. Use a business agreement with vendors that details the types of security measures the vendor must use when handling your data. Include an independent audit clause that verifies the vendor's compliance with specific security protocols.
- Engage your IT support early in the project to validate secure data connections and information storage.

Mystery

Methodist Hospital in Henderson, Kentucky declared an "internal state of emergency," shut down all hospital desktop computers, and reverted to paper-based procedures.

How did this happen?

Send your answer, with a suggestion for how to prevent such a breach to Security. Your answer enters you in a drawing for a fabulous prize.

Security Analogy

Robbery is illegal, but people still find it prudent to lock doors and close windows in their homes; so too must we lock up our information systems.

We want to hear from you!
security_contact@your.org

CISO

CiSoConnected

Edition 67 | December 15, 2017

Spotlight: Practice Cybersafe Shopping this Holiday Season!

Online shopping is one very convenient way to find the perfect gift for everyone on your list this holiday season – but did you know that online shopping can put you at risk of a cyberattack? Make sure that you know the risks and are practicing your cybersafe shopping habits!

Cyberattackers target online shoppers in many ways, including fake website and email scams, hacking vulnerable computers, and intercepting financial information when a vendor's webpage is not encrypted. Be sure that you are shopping safely online by sticking to the following tips:

1) **Only shop at reputable vendors:** When in doubt, do your research by checking the vendor's reputation with the Better Business Bureau
2) **Make sure that websites are encrypted:** Before you share any personal or financial information, check that the website's URL begins with "https" rather than "http" to make sure a website is encrypted
3) **Don't respond to emails requesting personally identifiable information:** Legitimate businesses won't request information this way
4) **Use a credit card instead of a debit card**: Credit cards often offer additional protections against fraud in case you are the victim of a cyberattack
5) **Avoid shopping on public computers:** Shop on your personal computer using a secure internet connection to avoid making your information vulnerable

For more tips, check out additional guidance from CyberSafe at USPS®!

Watch the "Report to CyberSafe" Video!

CIO Kristin Seaver narrated a short video, available on *Blue*, on the *Report to CyberSafe* Outlook button. The animated video emphasizes the importance of protecting the Postal Service, its employees and customers by reporting suspicious emails using the new button. Be sure to watch the video to learn more!

Learn New Terms in the Cybersecurity Glossary

To further improve CISO's cyber fluency, here a few more cybersecurity terms that start with the letter I.

I is for...

- **Inorganic growth** is growth in the operations of a business that arises from mergers or takeovers, rather than an increase in the company's own business activity. Firms that choose to grow inorganically can gain access to new markets and fresh ideas that become available through successful mergers and acquisitions
- **Insider Threat** is a current or former employee, contractor, or other business partner who has or had authorized access to an organization's network, system, or data and intentionally exceeded or misused that access in a manner that negatively affected the confidentiality, integrity, or availability of the organization's information or information systems
- **Internet Protocol Security (IPsec)** uses cryptographic security services to protect communications over Internet Protocol (IP) networks. IPsec supports network--level peer authentication, data origin authentication, data integrity, data confidentiality (encryption), and replay protection
- **Intrusion** is an incident of unauthorized access to a network or device
- **Intrusion detection** is a security management system for computers and networks that gathers and analyzes information to identify possible security breaches, which include both intrusions from outside the organization and misuse within the organization
- **IT Security** is preservation of confidentiality, integrity and availability of information; in addition, other properties such as authenticity, accountability, non--repudiation and reliability can also be involved.

Stay tuned for "K" and "L" cybersecurity terms in the next edition!

Table of Contents

Upcoming Events

- **12/25/2017:** Christmas

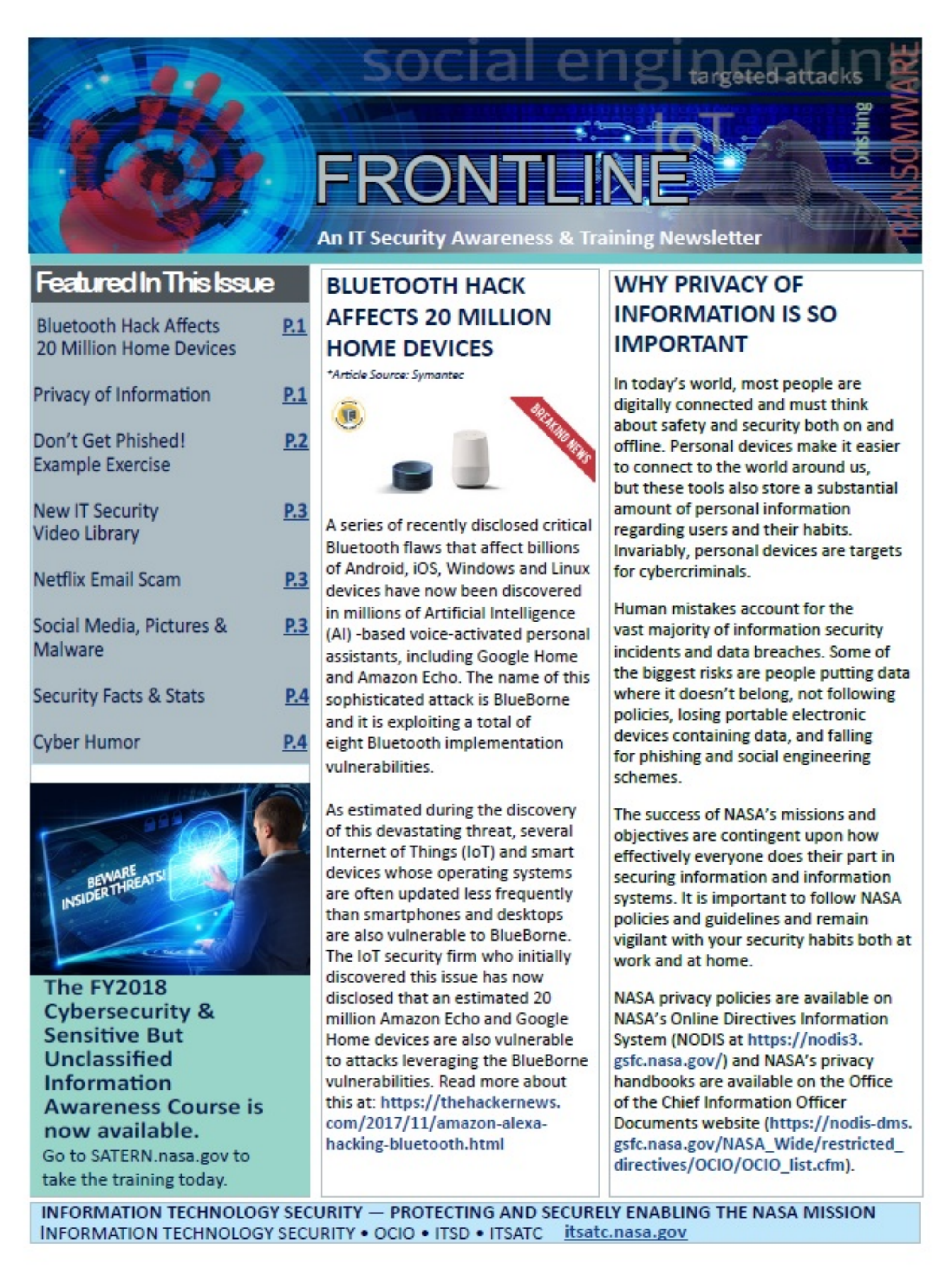
CISO Mission

The mission of the Corporate Information Security Office (CISO) is to support and protect the United States Postal Service (Postal Service) and its employees, information, technology assets and customers, by:
1) Detecting, preventing, and responding to cybercrime and misuse of our information technology assets,
2) Participating in the investigation of violations of laws that defend the nation's mail system from cybercrime and misuse,
3) Coordinating the enforcement of those laws.

Submit Content HERE

Subscribe HERE

Unsubscribe HERE


social engineering
targeted attacks
IoT
phishing
RANSOMWARE
BREAKING NEWS
BEWARE INSIDER THREATS!

FRONTLINE

An IT Security Awareness & Training Newsletter

Featured In This Issue

The FY2018 Cybersecurity & Sensitive But Unclassified Information Awareness Course is now available.

Go to SATERN.nasa.gov to take the training today.

BLUETOOTH HACK AFFECTS 20 MILLION HOME DEVICES

**Article Source: Symantec*

A series of recently disclosed critical Bluetooth flaws that affect billions of Android, iOS, Windows and Linux devices have now been discovered in millions of Artificial Intelligence (AI) -based voice-activated personal assistants, including Google Home and Amazon Echo. The name of this sophisticated attack is BlueBorne and it is exploiting a total of eight Bluetooth implementation vulnerabilities.

As estimated during the discovery of this devastating threat, several Internet of Things (IoT) and smart devices whose operating systems are often updated less frequently than smartphones and desktops are also vulnerable to BlueBorne. The IoT security firm who initially discovered this issue has now disclosed that an estimated 20 million Amazon Echo and Google Home devices are also vulnerable to attacks leveraging the BlueBorne vulnerabilities. Read more about this at: **https://thehackernews.com/2017/11/amazon-alexa-hacking-bluetooth.html**

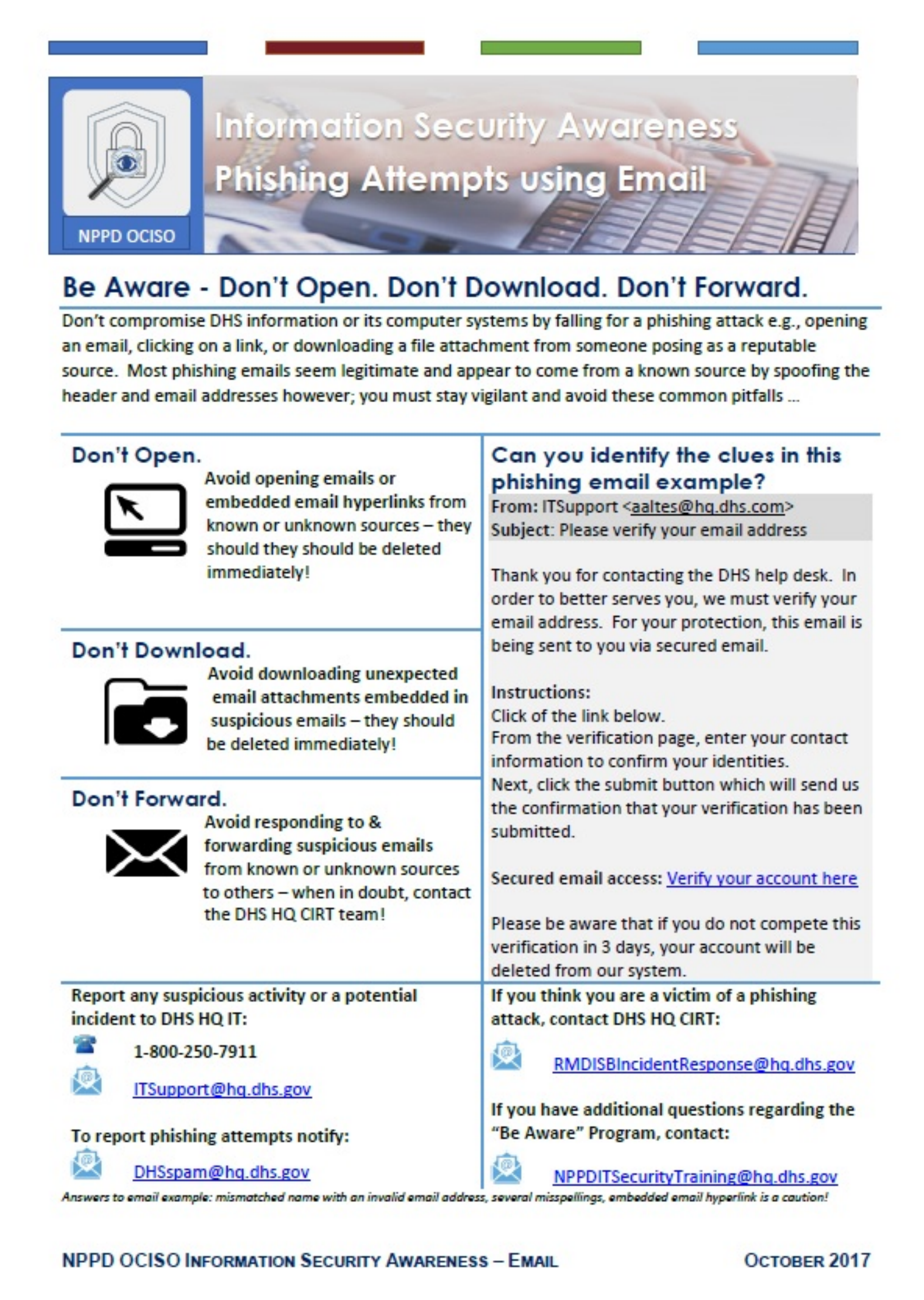
WHY PRIVACY OF INFORMATION IS SO IMPORTANT

In today's world, most people are digitally connected and must think about safety and security both on and offline. Personal devices make it easier to connect to the world around us, but these tools also store a substantial amount of personal information regarding users and their habits. Invariably, personal devices are targets for cybercriminals.

Human mistakes account for the vast majority of information security incidents and data breaches. Some of the biggest risks are people putting data where it doesn't belong, not following policies, losing portable electronic devices containing data, and falling for phishing and social engineering schemes.

The success of NASA's missions and objectives are contingent upon how effectively everyone does their part in securing information and information systems. It is important to follow NASA policies and guidelines and remain vigilant with your security habits both at work and at home.

NASA privacy policies are available on NASA's Online Directives Information System (NODIS at **https://nodis3.gsfc.nasa.gov/**) and NASA's privacy handbooks are available on the Office of the Chief Information Officer Documents website (**https://nodis-dms.gsfc.nasa.gov/NASA_Wide/restricted_directives/OCIO/OCIO_list.cfm**).



NPPD OCISO

Information Security Awareness
Phishing Attempts using Email

Be Aware - Don't Open. Don't Download. Don't Forward.

Don't compromise DHS information or its computer systems by falling for a phishing attack e.g., opening an email, clicking on a link, or downloading a file attachment from someone posing as a reputable source. Most phishing emails seem legitimate and appear to come from a known source by spoofing the header and email addresses however; you must stay vigilant and avoid these common pitfalls ...

Don't Open.

Avoid opening emails or embedded email hyperlinks from known or unknown sources – they should they should be deleted immediately!

Don't Download.

Avoid downloading unexpected email attachments embedded in suspicious emails – they should be deleted immediately!

Don't Forward.

Avoid responding to & forwarding suspicious emails from known or unknown sources to others – when in doubt, contact the DHS HQ CIRT team!

Can you identify the clues in this phishing email example?

From: ITSupport <aaltes@hq.dhs.com>
Subject: Please verify your email address

Thank you for contacting the DHS help desk. In order to better serves you, we must verify your email address. For your protection, this email is being sent to you via secured email.

Instructions:
Click of the link below.
From the verification page, enter your contact information to confirm your identities.
Next, click the submit button which will send us the confirmation that your verification has been submitted.

Secured email access: Verify your account here

Please be aware that if you do not compete this verification in 3 days, your account will be deleted from our system.

Report any suspicious activity or a potential incident to DHS HQ IT:

☎ 1-800-250-7911

ITSupport@hq.dhs.gov

To report phishing attempts notify:

DHSspam@hq.dhs.gov

If you think you are a victim of a phishing attack, contact DHS HQ CIRT:

RMDISBIncidentResponse@hq.dhs.gov

If you have additional questions regarding the "Be Aware" Program, contact:

NPPDITSecurityTraining@hq.dhs.gov

Answers to email example: mismatched name with an invalid email address, several misspellings, embedded email hyperlink is a caution!

NPPD OCISO INFORMATION SECURITY AWARENESS – EMAIL   OCTOBER 2017

Newsletter Winner!

Robert Cunningham

Organization:

Department of Veterans Affairs

The Security Scoop

October 2017

Phishing

Security Architecture Software Assurance (SASA) Identity and Access Management (IAM) provides information designed to help those on the frontline defend against malicious threats. One of the most prevalent forms of cyber-attack is … Phishing.

Phishing attacks seek personal information from an individual or company by posing as a trustworthy organization or entity. Attackers often use email, sending messages to users that appear to be from an institution, or company with which the individual has familiarity.

Below is information on three different forms of phishing, and tips on how to reduce your vulnerabilities.

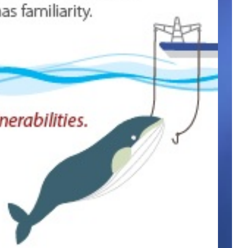
Spear Phishing

Spear phishing is when attackers utilize a more targeted and personalized approach to increase chances of fooling recipients. Attackers will gather publicly available information on targets such as their name, position, company, work phone number or other information to trick the recipient into believing that they have a connection with the sender.

Typically hackers will target individuals whose roles and responsibilities require important network and system access, simply put… those who may have the "keys to the kingdom".

Example: An example of this is reaching out to Network and Security Operations Center (NSOC) personnel by posing as an organization of interest or close affiliation like NIST. Hackers can easily find government organization charts and the identities of key personnel through an online search.

Whale Phishing



Whaling, or whale phishing, is a kind of phishing attack where hackers target "big fish" typically executives and high profile end users, using social-engineering tactics to trick them into divulging highly valuable or competitive information.

Example: An example of this would be emailing cabinet secretaries or members of congress using the presidential seal, or letterhead template, which can be easily found through a simple google search.

Water Hole Phishing

Water hole phishing is when an attacker targets a website typically frequented by the individuals they're trying to exploit. By infecting the website, visitors can inadvertently get infected without even knowing it.

Example: Hackers might infect a site they know government employees view as reputable such as Health and Human Services (HHS) or Healthcare Information and Management Systems Society (HIMSS).

Help spread the word about the importance of phishing prevention by downloading and sharing our SASA IAM Anti-Phishing posters and infographic.

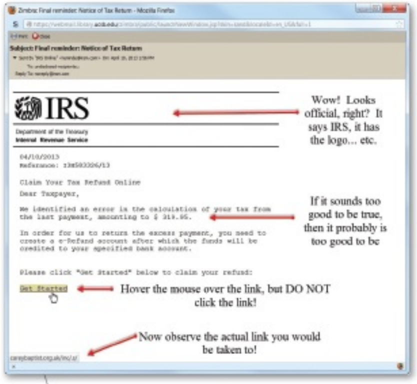
The Security Scoop

October 2017

Prevention "How to spot a phish"

Phishing is most often initiated through email, but can come in other forms of communication. Regardless of the method, there are ways to distinguish suspicious items from those that are legitimate. Training employees on how to recognize these malicious attacks is one of the most fundamental steps to data protection. The following may be indicators that an email or website is a phishing attempt rather than an authentic form of communication.

1. First consider the obvious, if the email is part of a thread there is a low risk that it's malicious
2. Look at the sender address; you can usually double click to check if the address looks correct
3. Check for any misspelling or grammatical errors
4. Hover your mouse over linked items to check their link address
5. Do not open attachments but right click them and save in a "test" folder, then right click and look at the properties" for inconsistencies; or after right clicking "open" in a text editor like note pad



Zimbra: Final reminder: Notice of Tax Return - Mozilla Firefox

Subject: Final reminder: Notice of Tax Return

IRS
Department of the Treasury
Internal Revenue Service

Wow! Looks official, right? It says IRS, it has the logo... etc.

```
04/10/2013
Reference: [illegible]

Claim Your Tax Refund Online
Dear Taxpayer,

We identified an error in the calculation of your tax from
the last payment, amounting to $ 319.95.

In order for us to return the excess payment, you need to
create a e-Refund account after which the funds will be
credited to your specified bank account.

Please click "Get Started" below to claim your refund:

Get Started
```

If it sounds too good to be true, then it probably is too good to be

Hover the mouse over the link, but DO NOT click the link!

Now observe the actual link you would be taken to!

careybaptist.org.uk/inc/z/

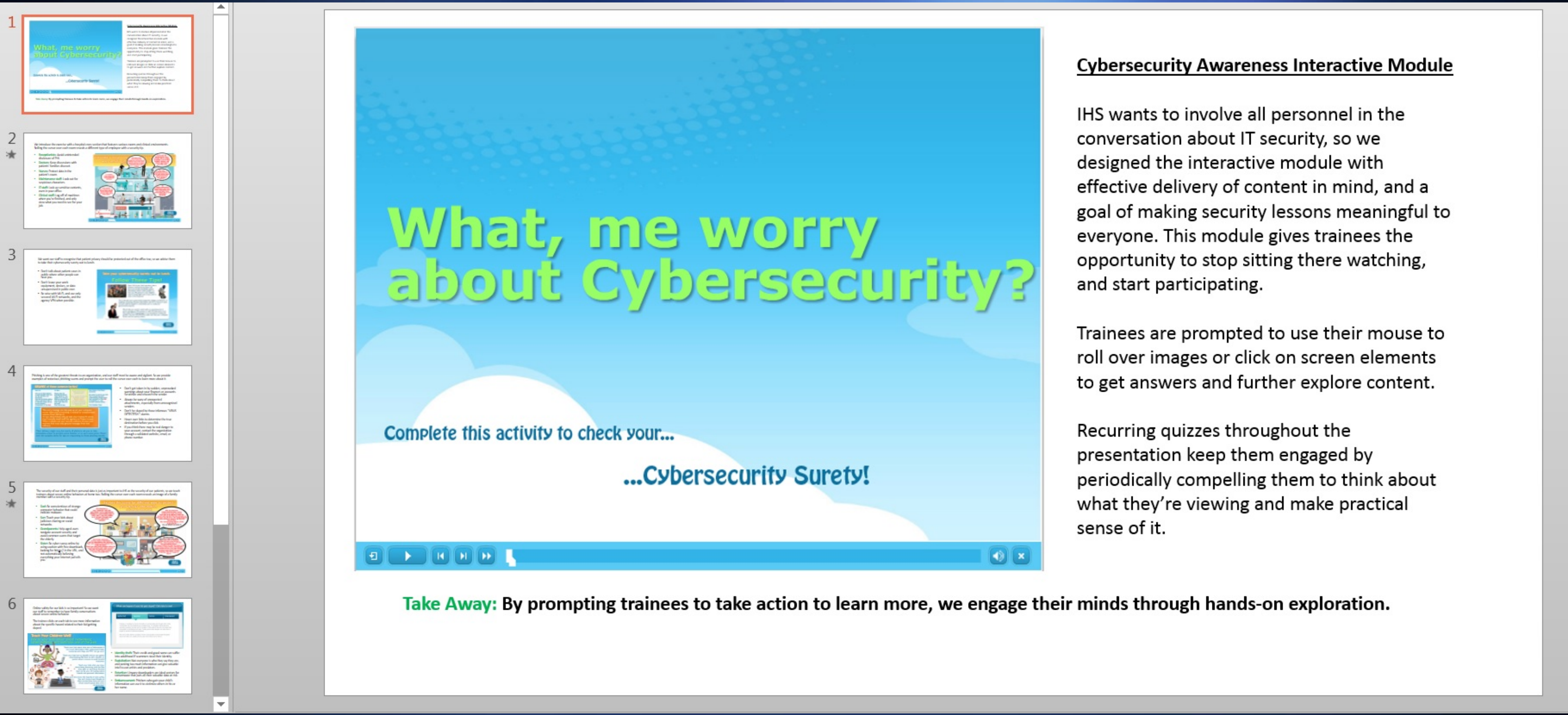
DON'T TAKE THE

BAIT!

Prevent a phishing attack by using caution when opening suspicious emails.

Read previous issues of *The Security Scoop*

Training Entries (6)



What, me worry about Cybersecurity?

Complete this activity to check your...

...Cybersecurity Surety!

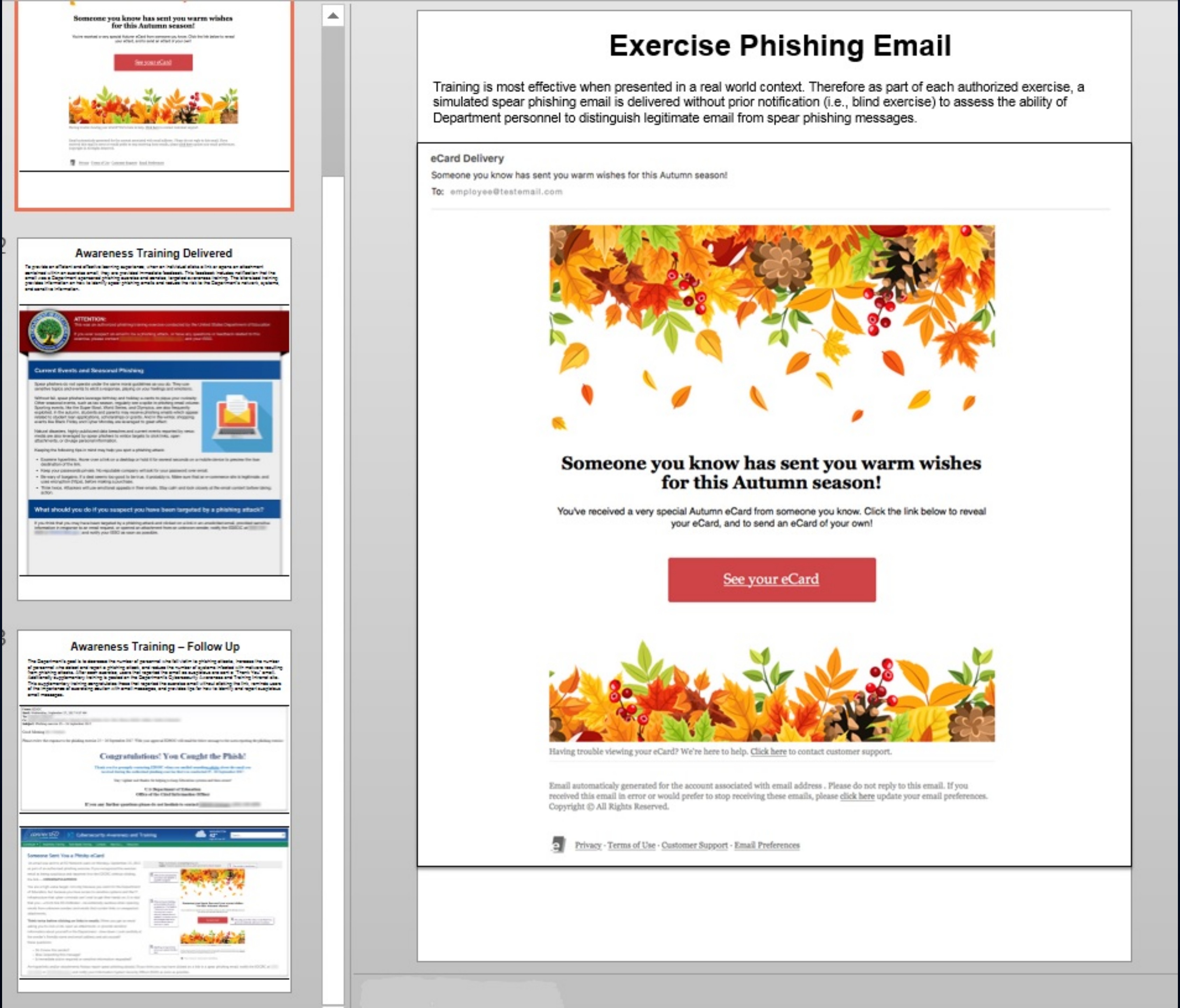
Cybersecurity Awareness Interactive Module

IHS wants to involve all personnel in the conversation about IT security, so we designed the interactive module with effective delivery of content in mind, and a goal of making security lessons meaningful to everyone. This module gives trainees the opportunity to stop sitting there watching, and start participating.

Trainees are prompted to use their mouse to roll over images or click on screen elements to get answers and further explore content.

Recurring quizzes throughout the presentation keep them engaged by periodically compelling them to think about what they’re viewing and make practical sense of it.

Take Away: By prompting trainees to take action to learn more, we engage their minds through hands-on exploration.



Someone you know has sent you warm wishes for this Autumn season!

Awareness Training Delivered

ATTENTION:

Current Events and Seasonal Phishing

What should you do if you suspect you have been targeted by a phishing attack?

Awareness Training – Follow Up

Congratulations! You Caught the Phish!

Exercise Phishing Email

Training is most effective when presented in a real world context. Therefore as part of each authorized exercise, a simulated spear phishing email is delivered without prior notification (i.e., blind exercise) to assess the ability of Department personnel to distinguish legitimate email from spear phishing messages.

eCard Delivery

Someone you know has sent you warm wishes for this Autumn season!

To: employee@testemail.com

Someone you know has sent you warm wishes for this Autumn season!

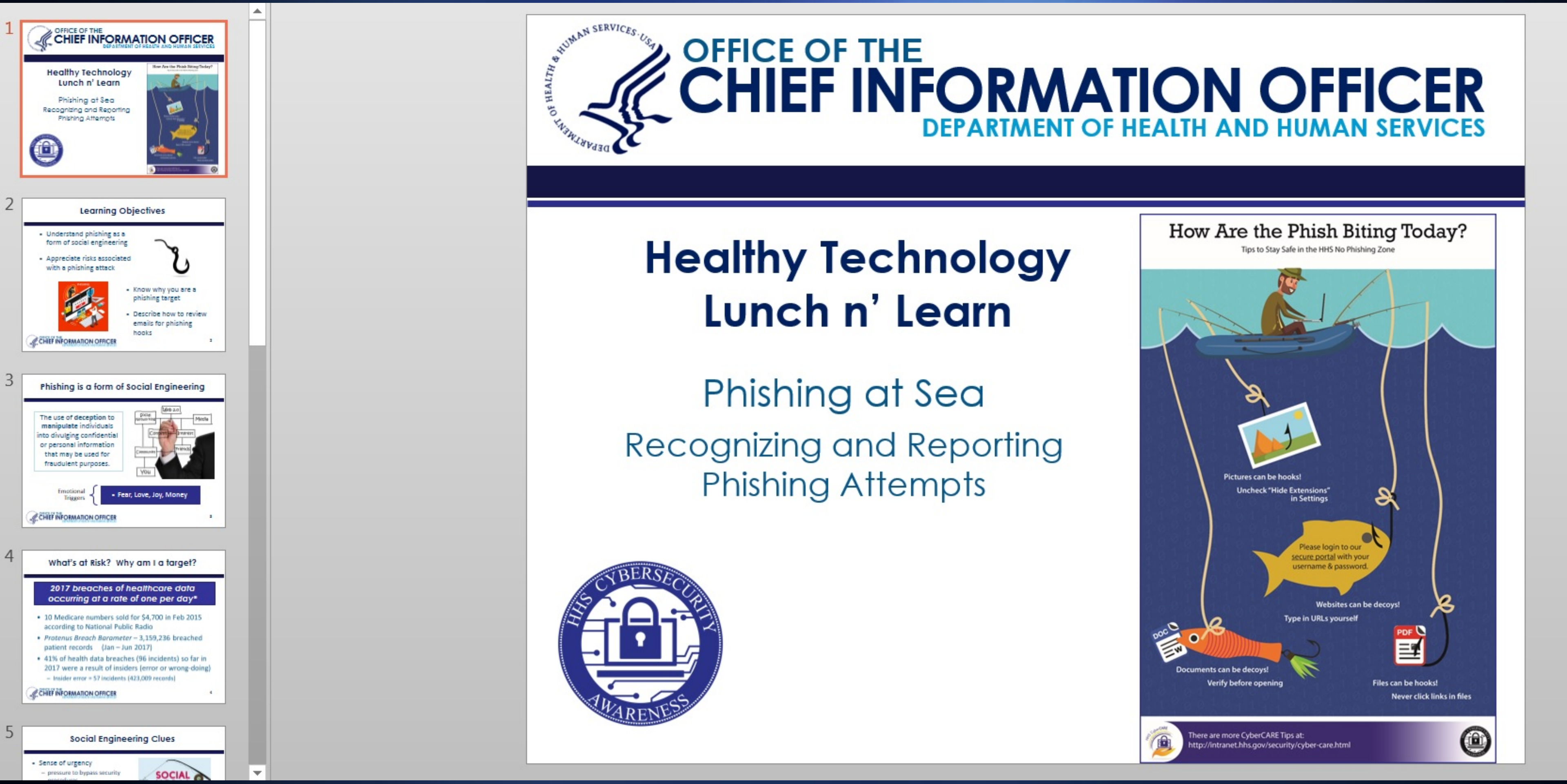
You've received a very special Autumn eCard from someone you know. Click the link below to reveal your eCard, and to send an eCard of your own!

See your eCard

Having trouble viewing your eCard? We're here to help. Click here to contact customer support.

Email automaticaly generated for the account associated with email address . Please do not reply to this email. If you received this email in error or would prefer to stop receiving these emails, please click here update your email preferences. Copyright © All Rights Reserved.

Privacy · Terms of Use · Customer Support · Email Preferences



1

OFFICE OF THE CHIEF INFORMATION OFFICER
DEPARTMENT OF HEALTH AND HUMAN SERVICES

Healthy Technology Lunch n' Learn

Phishing at Sea
Recognizing and Reporting Phishing Attempts

2

Learning Objectives

- Understand phishing as a form of social engineering
- Appreciate risks associated with a phishing attack
- Know why you are a phishing target
- Describe how to review emails for phishing hooks

CHIEF INFORMATION OFFICER 2

3

Phishing is a form of Social Engineering

The use of deception to manipulate individuals into divulging confidential or personal information that may be used for fraudulent purposes.

Emotional Triggers { • Fear, Love, Joy, Money

CHIEF INFORMATION OFFICER 3

4

What's at Risk? Why am I a target?

2017 breaches of healthcare data occurring at a rate of one per day*

- 10 Medicare numbers sold for $4,700 in Feb 2015 according to National Public Radio
- *Protenus Breach Barometer* – 3,159,236 breached patient records (Jan – Jun 2017)
- 41% of health data breaches (96 incidents) so far in 2017 were a result of insiders (error or wrong-doing)
  - Insider error = 57 incidents (423,009 records)

CHIEF INFORMATION OFFICER 4

5

Social Engineering Clues

- Sense of urgency
  - pressure to bypass security

OFFICE OF THE
CHIEF INFORMATION OFFICER
DEPARTMENT OF HEALTH AND HUMAN SERVICES

Healthy Technology Lunch n' Learn

Phishing at Sea

Recognizing and Reporting Phishing Attempts

DEPARTMENT OF HEALTH & HUMAN SERVICES USA
HHS CYBERSECURITY AWARENESS
How Are the Phish Biting Today?
Tips to Stay Safe in the HHS No Phishing Zone
Pictures can be hooks!
Uncheck "Hide Extensions" in Settings
Please login to our secure portal with your username & password.
Websites can be decoys!
Type in URLs yourself
DOC
W
Documents can be decoys!
Verify before opening
PDF
Files can be hooks!
Never click links in files
There are more CyberCARE Tips at:
http://intranet.hhs.gov/security/cyber-care.html

Cyber

ESCAPE ROOM

Challenge

FUNCLASSIFIED

YOUR MISSION

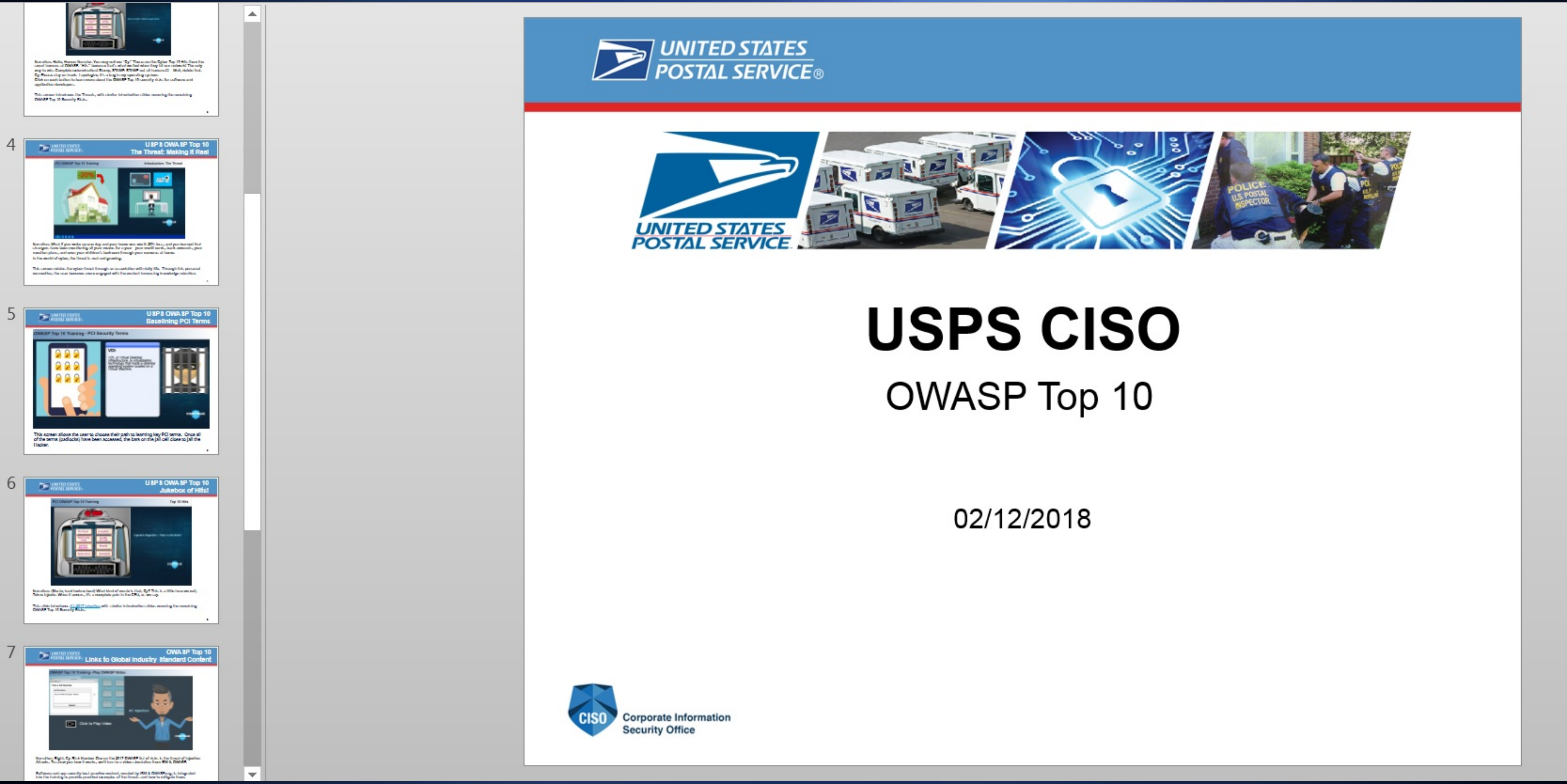
You have been selected to be a member of the Department of State's elite **Cyber Task Force**. Recently, Embassy Botchester was under a massive cyber attack. Your mission as a cyber special agent is to solve the details of the cyber attack – including the perpetrator, his/her city of origin, date of the crime, how the attack was carried out (methodology/tactic), and the perpetrator's motivation. You must also list the 3 countermeasures or steps to teach people so this does not happen again.

Use the box of clues and this dossier to crack the codes and solve the puzzles. Fill out the **Crime Report** and submit it to your captain to ***escape the room*** and save Embassy Botchester!

SPECIAL NOTE: If you need help, your captain has provided 3 sealed envelopes with hints. However, each hint will add 5 minutes to your final completion time.

Good luck!

DIPLOMATIC SECURITY
CYBER AND TECHNOLOGY SECURITY



4

USPS OWASP Top 10
The Threat: Making it Real

5

USPS OWASP Top 10
Baselining PCI Terms

OWASP Top 10 Training - PCI Security Terms

This screen allows the user to choose their path to learning key PCI terms. Once all of the terms (padlocks) have been accessed, the bars on the jail cell close to jail the Hacker.

6

USPS OWASP Top 10
Jukebox of Hits!

7

OWASP Top 10
Links to Global Industry Standard Content

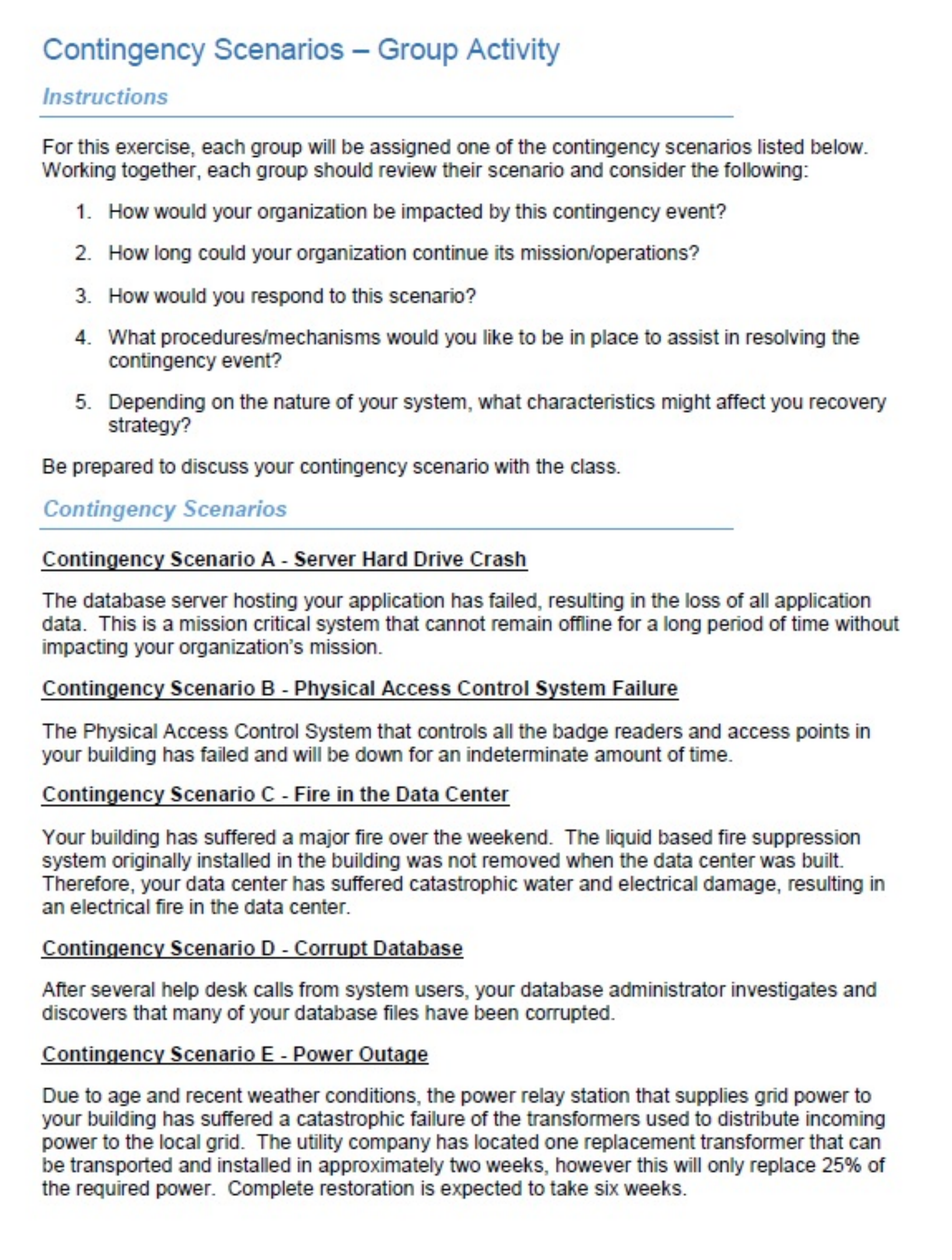
UNITED STATES POSTAL SERVICE®

USPS CISO

OWASP Top 10

02/12/2018

CISO Corporate Information Security Office



Contingency Scenarios – Group Activity

Instructions

For this exercise, each group will be assigned one of the contingency scenarios listed below. Working together, each group should review their scenario and consider the following:

1. How would your organization be impacted by this contingency event?
2. How long could your organization continue its mission/operations?
3. How would you respond to this scenario?
4. What procedures/mechanisms would you like to be in place to assist in resolving the contingency event?
5. Depending on the nature of your system, what characteristics might affect you recovery strategy?

Be prepared to discuss your contingency scenario with the class.

Contingency Scenarios

Contingency Scenario A - Server Hard Drive Crash

The database server hosting your application has failed, resulting in the loss of all application data. This is a mission critical system that cannot remain offline for a long period of time without impacting your organization's mission.

Contingency Scenario B - Physical Access Control System Failure

The Physical Access Control System that controls all the badge readers and access points in your building has failed and will be down for an indeterminate amount of time.

Contingency Scenario C - Fire in the Data Center

Your building has suffered a major fire over the weekend. The liquid based fire suppression system originally installed in the building was not removed when the data center was built. Therefore, your data center has suffered catastrophic water and electrical damage, resulting in an electrical fire in the data center.

Contingency Scenario D - Corrupt Database

After several help desk calls from system users, your database administrator investigates and discovers that many of your database files have been corrupted.

Contingency Scenario E - Power Outage

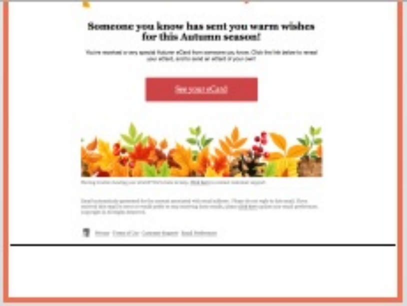
Due to age and recent weather conditions, the power relay station that supplies grid power to your building has suffered a catastrophic failure of the transformers used to distribute incoming power to the local grid. The utility company has located one replacement transformer that can be transported and installed in approximately two weeks, however this will only replace 25% of the required power. Complete restoration is expected to take six weeks.

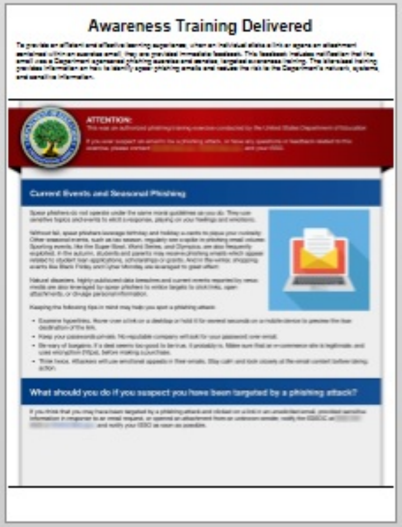
Training Winner!

Deborah Coleman

Organization:

U.S. Department of Education





Awareness Training Delivered

ATTENTION:

Current Events and Seasonal Phishing

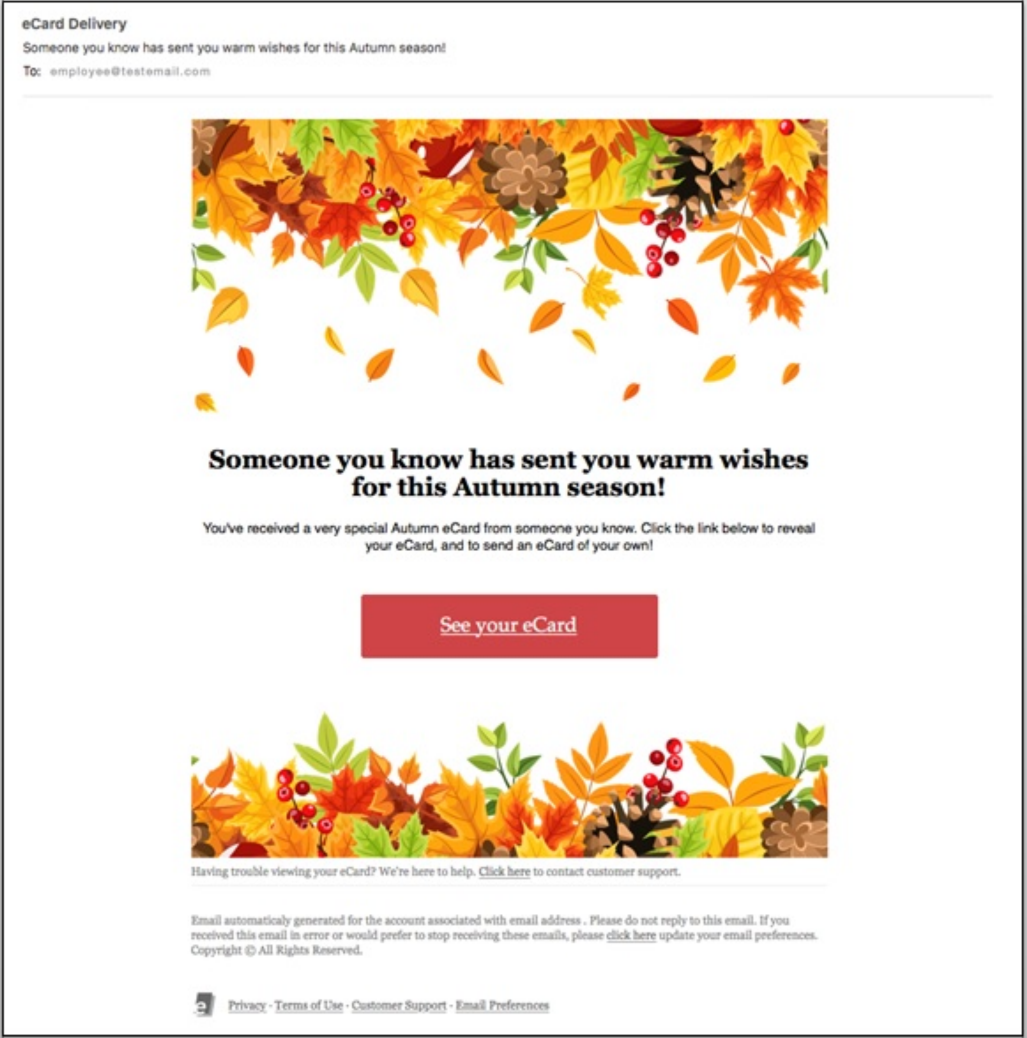
What should you do if you suspect you have been targeted by a phishing attack?

Awareness Training – Follow Up

Congratulations! You Caught the Phish!

Exercise Phishing Email

Training is most effective when presented in a real world context. Therefore as part of each authorized exercise, a simulated spear phishing email is delivered without prior notification (i.e., blind exercise) to assess the ability of Department personnel to distinguish legitimate email from spear phishing messages.



eCard Delivery

Someone you know has sent you warm wishes for this Autumn season!

To: employee@testemail.com

Someone you know has sent you warm wishes for this Autumn season!

You've received a very special Autumn eCard from someone you know. Click the link below to reveal your eCard, and to send an eCard of your own!

Having trouble viewing your eCard? We're here to help. Click here to contact customer support.

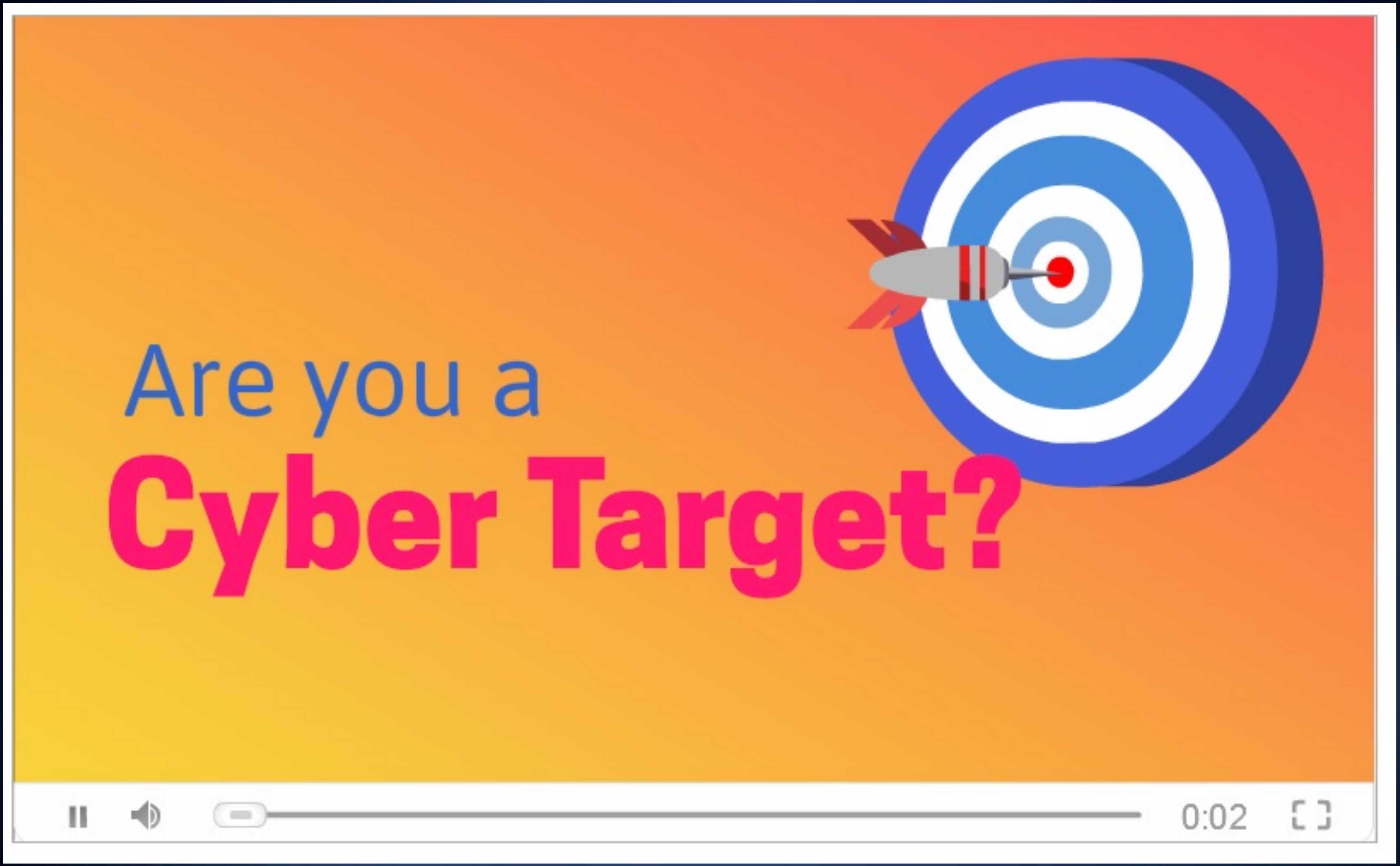
Email automaticaly generated for the account associated with email address . Please do not reply to this email. If you received this email in error or would prefer to stop receiving these emails, please click here update your email preferences. Copyright © All Rights Reserved.

Privacy · Terms of Use · Customer Support · Email Preferences

Video Entries (6)

https://www.youtube.com/watch?v=i7lA7bUgJE0

https://youtu.be/OSwr4jyLPtA



https://www.powtoon.com/online-presentation/duetTaiU0pW/cyber-threats/?mode=movie

Squeaky door, bubbling sounds, chains rattling, and music

https://www.nativeintelligence.com/sites/default/filh/security_mash_cc.mp4es/demo/Mas

https://www.uspscybersafe.com/articles/individuals/best-practices-for-staying-cybersafe-every-day/

https://youtu.be/UIOYRXXE35k

Video Winner!

Evonne Thomas

Organization:

US Postal Service Corporate Information Security Office (USPS CISO)

© 2016 All Rights Reserved

5 WAYS TO STAY CYBERSAFE EVERY DAY

BROUGHT TO YOU BY:

CyberSafe at USPS®

https://www.uspscybersafe.com/articles/individuals/best-practices-for-staying-cybersafe-every-day/

Peer's Choice Awards

- Part of the Government Best Practice Session today
  - Stop by and see the full entries and descriptions up close
  - Vote for your favorites (1 from each category)
  - Winners will be announced during the closing session Wednesday
  - Peer's Choice Award Winners will be listed along side the official Contest winners on the FISSEA Website
- No official award certificate…

just bragging rights ☺

Thanks to all
who submitted entries!

A special thanks to our judges!