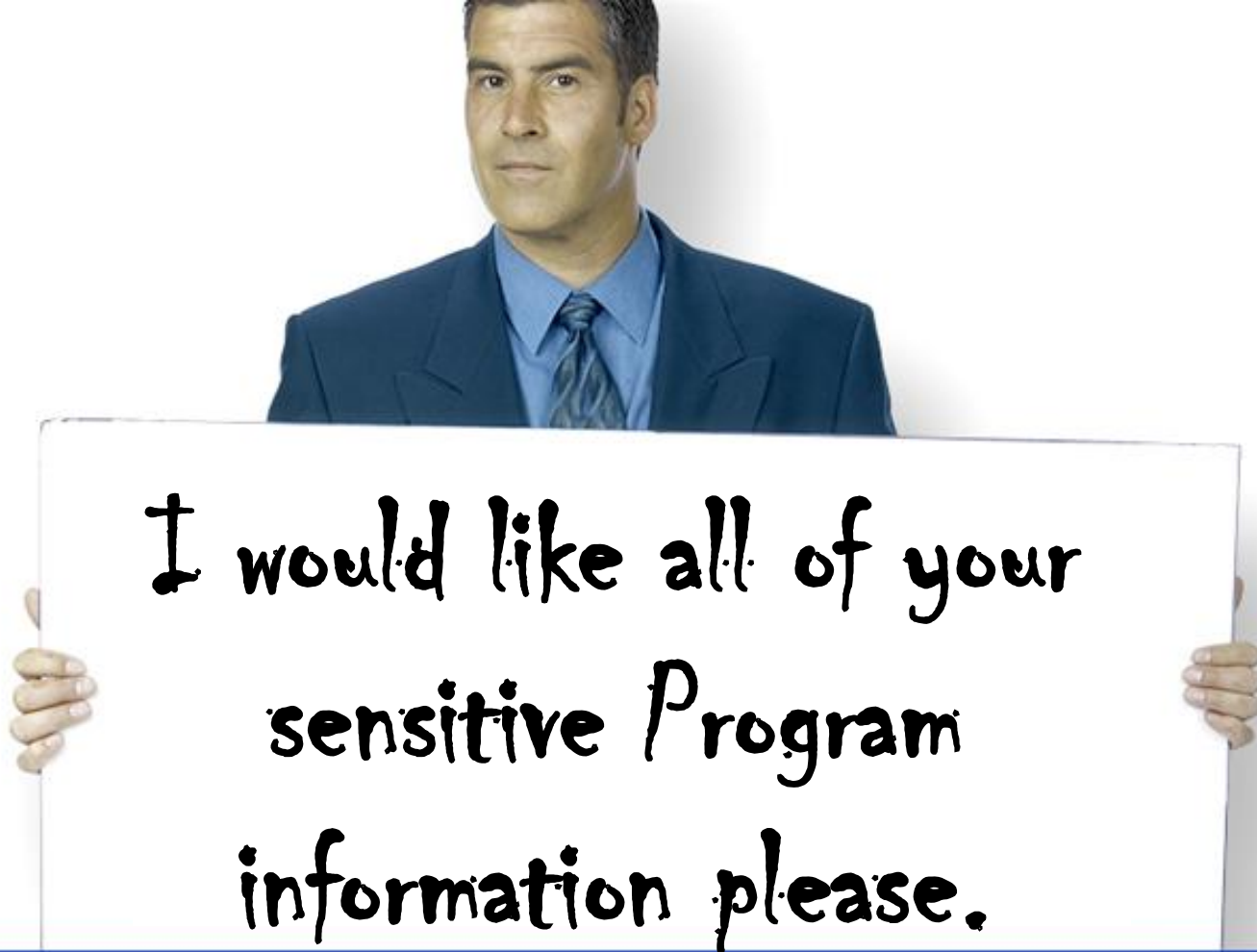# National Initiative for Cyber Security Education

Mike Gordon
Senior Manager LM-CIRT

Areas of Concern

- APT Threats
  - Malicious E-mail
  - Removable Media
  - Compromised Web Sites
- Social Media
- Travel Security
- General OpSec
- Protecting Personal/Privacy Information

I would like all of your sensitive Program information please.

LOCKHEED MARTIN

Spotting them is never this easy.

Security Education and Awareness

Suite of Tools and Techniques

- Executive support

- I Campaign

- Monthly storyboard

- Behavior testing

- Information security web sites

- Immersive game

Human behavior is a key component of an organization's security posture

I-Campaign Game

FIND THESE ITEMS!
- Transportation
- Business Cards
- Stranger
- Unsecured Luggage
- Identifying Information
- Public Computers
- Checking In
- Distracted Traveler

Episode 4: Safe Web Browsing — Jan. 2010

In the fourth episode of I Campaign: The Game, you'll get a virtual security briefing at DefenseCorp and discover ways our attackers are using the internet as a weapon. Take a couple minutes to review ways you can protect yourself and our corporation while browsing the web.
Launch Game (Opens in a new window)

Episode 3: Social Networking Risks — Dec. 2009

Web-based social networking applications make it easier to collaborate and connect with a wider network of people. Yet risks abound. Adversaries use these sites to exploit relevant company and program information, pry into employees' personal and job information, and plant malware using social networking software apps. In this episode, you'll look into the social networking's potential role in the breach at DefenseCorp.
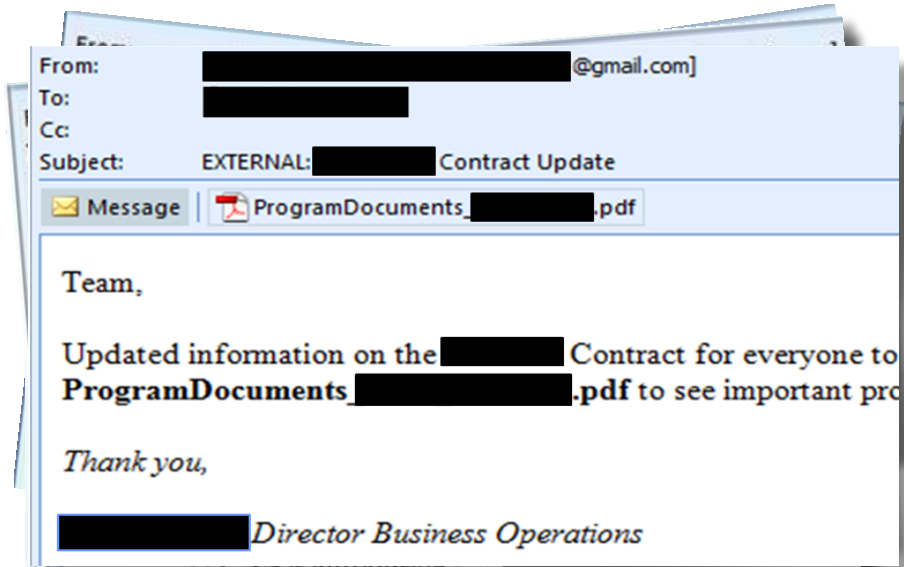Launch Game (Opens in a new window)

I-Campaign Ready Room

E-mail Testing – Driving Accountability

How We Test

From: [redacted]@gmail.com]
To: [redacted]
Cc:
Subject: EXTERNAL: [redacted] Contract Update

Message   ProgramDocuments_[redacted].pdf

Team,

Updated information on the [redacted] Contract for everyone to
ProgramDocuments_[redacted].pdf to see important pro

Thank you,

[redacted]   *Director Business Operations*

Grade 2U – *Emotionally specific and*
behavior specific spear phishing

- **E-mail testing is "threat-driven"**
- **Employee actions are vital – responsibility and accountability**
- **Goal: Measurable / observable changes in employee behavior**

Results of Testing

2009 Baseline Test

16%

2010 Recurring Tests

8%

2011 Added Retesting
and Notifications
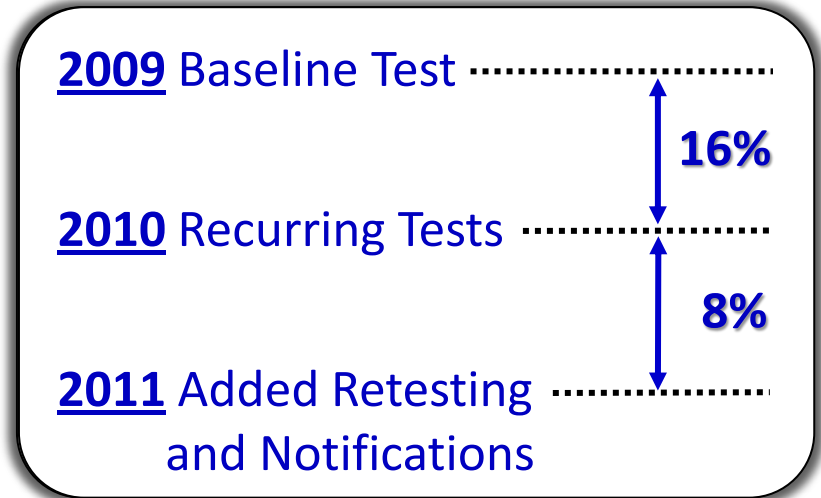
- **24% improvement in monthly e-mail handling**
- **10X reporting of suspicious emails**

Think Before You Click!

Successful so far… but there is much work to be done!