

California  
**TECHNOLOGY AGENCY**  
Office of Information Security

# Statewide Disaster Recovery Coordinator Meeting

April 18, 2012

# Meeting Agenda

----- Topics -----	
<b><u>Opening Remarks</u></b>	5 minutes
<b><u>Short Subjects:</u></b>	
<input checked="" type="checkbox"/> Program/Policy Update	15 minutes
<input checked="" type="checkbox"/> Enterprise Disaster Recovery Program Update	
<b><u>Risk Assessment/Management</u></b>	45 minutes
Patrick McGuire, Security Consultant, OIS	
<b><u>Anatomy of a Cyber (DDoS) Attack</u></b>	45 minutes
Mary Morshed, Security Technologist, CalPERS	
<b><u>Q&amp;A and Closing</u></b>	10 minutes

# Opening Remarks

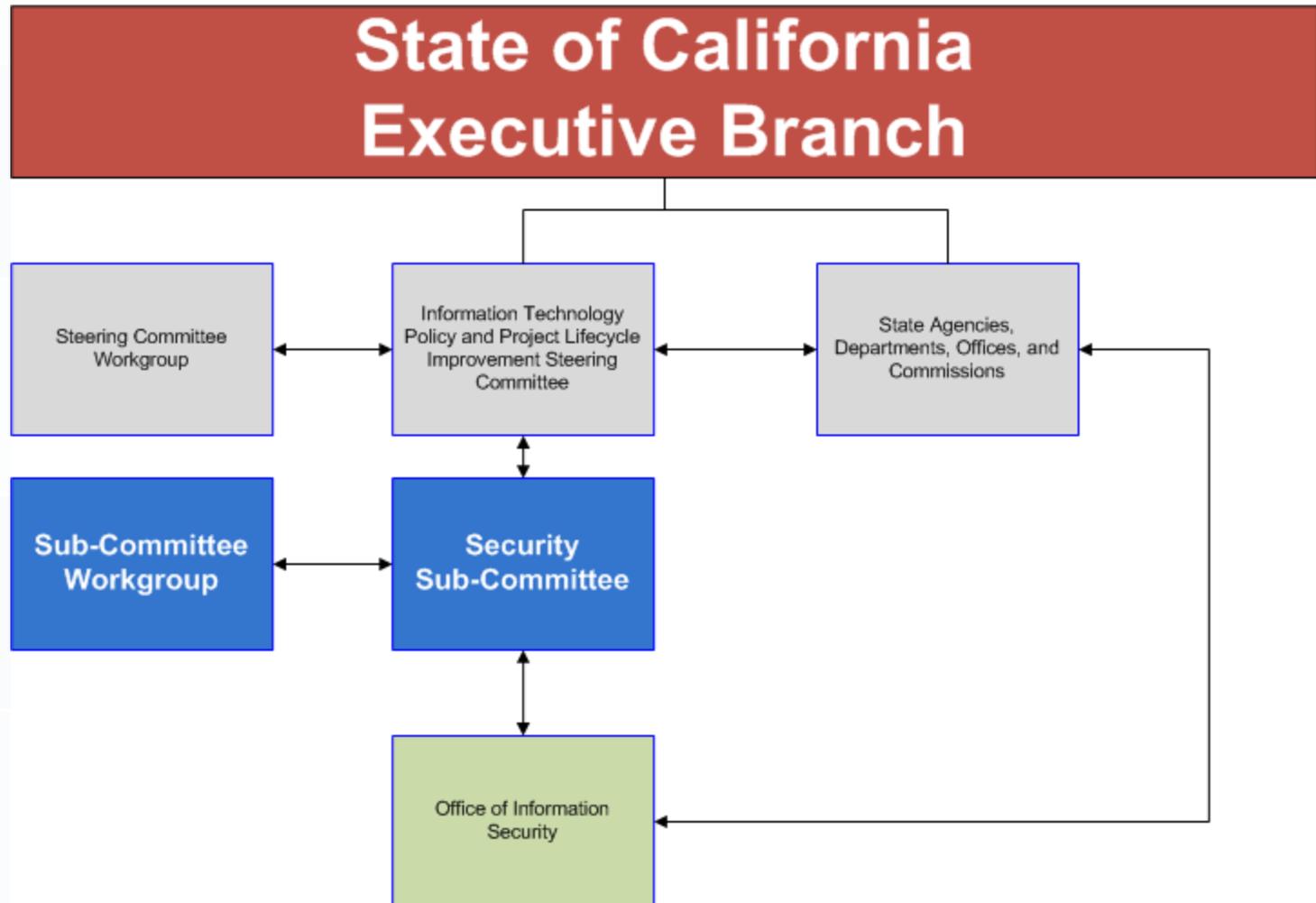


**Keith Tresh, Director and CISO**

# Policy Update

- **Tech Agency has established the Policy and Program Lifecycle Review Committee (PPLRC)**
  - PPLRC is currently conducting a review of Tech Agency policies
- **An IT Security Subcommittee has been established by the PPLRC**
  - Subcommittee will review information security policy and program elements (including DR), and make recommendations

# Information Security Program and Policy Improvement Project



# Information Security Program and Policy Improvement Project

## Value Proposition

- Align with the operational-type security programs in use at most state departments
- Contribute to operational activities
- Continue to be harmonious with required national standards such as those developed by the National Institute of Standards and Technology (NIST/FIPS)

# Information Security Program and Policy Improvement Project

## For More Information

- Quarterly CIO Forum
- ISO Bi-Monthly and DR Quarterly Meetings
- Information Sharing Forums

# Status on Required Security Reporting Activities

- February 2012 published <http://www.cio.ca.gov/OIS/Government/scorecards.asp>

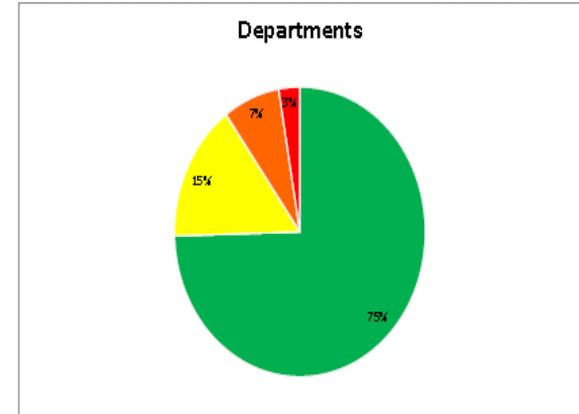
- Use January 2012 forms accessible at [http://www.cio.ca.gov/OIS/Government/activities\\_schedule.asp](http://www.cio.ca.gov/OIS/Government/activities_schedule.asp)

Status of Required Security Reporting Activities

Agency	Compliant	In Progress	No Progress	Progress
BTH	13	0	0	100%
CDCR	2	1	0	83%
EPA	4	2	0	83%
HHS	13	3	0	91%
LIVDA	5	2	0	86%
Resources	25	4	0	93%
SCSA	7	7	0	75%
Other	13	6	3	73%
State Total	82	25	3	86%

Status	Departments
Green	82
Yellow	17
Orange	8
Red	3

**Status Key**  
**GREEN** - Compliant - All filings received.  
**YELLOW** - At Risk - One filing not received.  
**ORANGE** - At Risk - Two or three filings not received.  
**RED** - No filings received.



# Required Annual Security Activities Reporting (Continued)

Annual Activity	Purpose	Value/Benefit to Agencies
Designation Letter	Ensure Agency has assigned personnel to fulfill key security and privacy roles and responsibilities. Also provides OIS ability to reach appropriate individuals for incident prevention, detection and response.	Receive notification of significant events affecting or potentially affecting them.
Risk Management and Privacy Program Compliance Certification	OIS mandate to track, monitor and report on state agency compliance with program requirements.	Statewide metrics and trends
Telework and Remote Access Security Compliance Certification	OIS mandate to track, monitor and report on state agency compliance with program requirements.	Statewide metrics and trends
Disaster Recovery Plan	Ensure Agency has a plan to recover critical/essential IT	Ability to minimize impact and recover within RTOs/MAOs

# Statewide Program Update

- DR Management
  - 2012 DR Basic Training Class Development
    - Need Volunteers to Participate/Critique
  - DR Plan Reviews – Through 2011 Complete
  - Process Overview

All Submissions	Action Required Feedback on Last Full Submission	Feedback Pending on Last Full Submission
Email acknowledges receipt of plan submission.	If agency has received OIS feedback on its last full plan submission, and feedback indicated <b>ACTION REQUIRED</b> , then the agency needs to either submit another full plan, and/or remediation plan, that addresses the deficiencies that were identified by its next submission due date. The submission must be signed by the Director or designee.	If agency has not yet received OIS feedback on its last full plan submission ( <i>before the next plan submission due date</i> ) <b>and</b> there have been no changes to the environment that would warrant updates to the plan, then the agency may submit a “No-change Certification”.

# *Overview Risk Management*

***Patrick McGuire***

OIS Security Consultant

# *DDoS - Anatomy of an Attack*

**Mary Morshed**  
CalPERS Security Technologist

DDOS – Anatomy of an Attack



# Training Resources

## ■ Free Online Training:

### ■ DHS/FEMA State Cyber Security Training

- Online, self-paced Cyber-Security training
- Available at no charge to US citizens
- <http://www.teexwmdcampus.com/index.k2>

#### **IA General / Non-Technical:**

- Information Security for Everyone
- Cyber Ethics
- Cyber Law and White Collar Crime

#### **IA Technical / IT Professional:**

- Information Security Basics
- Secure Software
- Network Assurance Digital Basics

#### **IA for Business Professionals:**

- **Business Information Continuity**
- Information Risk Management
- Cyber Incident Analysis and Response

# Free Resources

## ■ Disaster Recovery Institute International

- [www.drii.org/thrive/#/10/](http://www.drii.org/thrive/#/10/)
- [www.drii.org/docs/USBusinessContinuity.pdf](http://www.drii.org/docs/USBusinessContinuity.pdf)

## ■ Disaster Recovery Journal

- <http://www.drj.com/>

## ■ Disaster Resource Guide

- <http://www.disaster-resource.com/>
- [http://www.disaster-resource.com/index.php?option=com\\_user&view=register](http://www.disaster-resource.com/index.php?option=com_user&view=register)

# Open Discussion

# Friendly Reminders

## FOUO Reminder:

- Follow FOUO Sensitive Information Handling Instructions
  - **DON'T:**
    - Post or make available on a public website
    - Provide to the media
  - **DO:**
    - Limit distribution and sharing to those that have a need to act on the information to protect information assets

# Friendly Reminders (*Continued*)

## DR Coordinator Meeting Reminder:

- Registration is required so that we may:
  - More accurately account for the number of hand-outs / materials.
  - More easily track attendance/participation.
- A link is included in the meeting notice sent to DR Coordinators, back-ups, and interested parties on designee list.
- **DR Coordinators may forward to others**

# Closing

**Thank you for joining us and  
all that you do!**