



Virginia Information Technologies Agency

Commonwealth Information Security Officers Advisory Group (ISOAG) Meeting

July 9, 2014



ISOAG July 2014 Agenda

- | | | |
|-------|--------------------------------------|--|
| I. | Welcome & Opening Remarks | Mike Watson, VITA |
| II. | VDEM Safety Overview | Ryan Garnowski, VDEM |
| III. | Advancing Your Business Continuity | Gary Lupton, Towne Plan Insurance |
| IV. | Social Media in Emergency Management | Adam Crowe, VCU |
| V. | 2014 IS Council Committees | Mike Watson, VITA |
| VI. | 2015 InfoSec Conference Committee | Rosario Igharas,
Marcie Stidham-Stout |
| VII. | 2014 Enterprise Updates | Bob Baskette, VITA |
| VIII. | Upcoming Events | Mike Watson, VITA |
| VII. | VDEM Overview and Tour | Ryan Garnowski, VDEM |



**Gary T. Lupton, Senior Vice President
Towne Insurance
"Building Partnerships: Advancing
Your Business Continuity Plan (BCP)
to the Next Level"**

July 9, 2014

Building Partnerships:
**Advancing your Business
Continuity Plan (BCP) to the
Next Level**

Agenda

- **Definitions & Terminology**
- **Background Information**
- **Review of BCP Professional Practices**
- **Review of COOP**
- **Review of Partnerships**
- **Q & A**

Definitions & Terminology

- ACP – Association of Contingency Planners
- BCC– Business Continuity Coordinator
- BCP – Business Continuity Plan
- BRC – Business Recovery Coordinator
- BRP – Business Resumption Planning
- CEM – Certified Emergency Manager
- CDRP – Certified Disaster Recovery Planner
- CERT – Community Emergency Response Team
- COOP – Process of maintaining the business of a local government.
- **CRO – Chief Resilience Officer**
- CRP – Certified Risk Planner
- DRII – Disaster Recovery Institute International
- DRJ – Disaster Recovery Journal
- GAP – Generally Accepted Practices

History



History

In the beginning.....

- **Mainframe Computer-based only**
- **Data Center Focused**
- **Technology Driven**
- **Disaster Recovery Only**
- **Long Term Recovery Questionable**

History

And now.....

- **Line of Business driven**
- **Disaster Recovery and Business Continuity are both required**
- **Regulatory Requirements**
- **Enterprise-wide Cost of doing Business**
- **Telecommunications Critical**
- **Advanced Preparation is KEY!**

What Changed ?

– Expanding interdependencies for interruptions

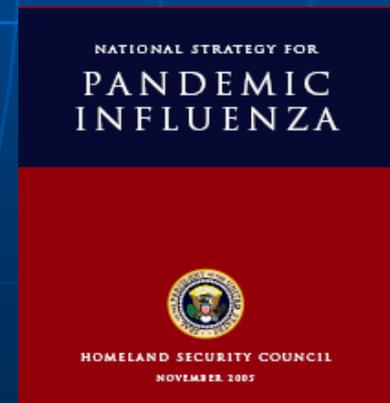
- » Natural Disasters
- » Cyber Threats
- » Biological Threats
- » Change Management
- » Power Outages
- » Supply Chain & Vendor Dependencies

– Increasing exposure and risks

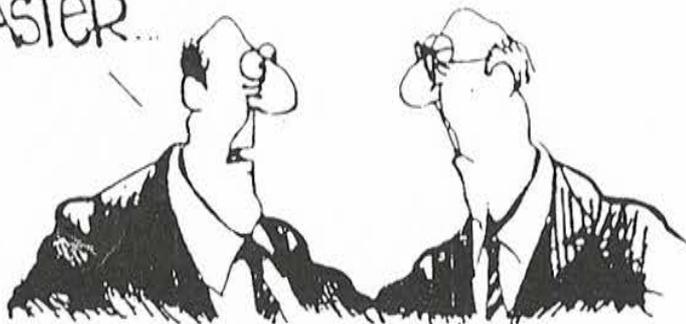
- » Compliance
- » Lost revenue, Capitalization
- » Public Trust

– Requires all hazards approach

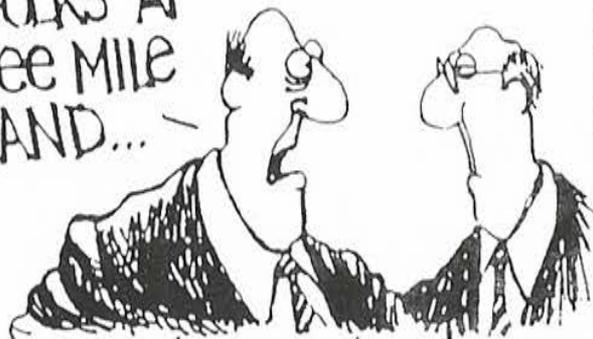
- » Network Security
- » Physical Security
- » Business Continuity Planning
- » Applications Resilience



EXXON WASN'T
PREPARED FOR THEIR
DISASTER...



NEITHER WERE
THE FOLKS AT
THREE MILE
ISLAND...



COME TO THINK OF
IT, I CAN'T REMEMBER
THE LAST TIME
SOMEONE WAS
PREPARED FOR
A CALAMITY...



BEATIE

© 89 DARTMOUTH BEACH NEWS-JOURNAL / CARTOON NEWS SERVICE

How to Accomplish ?

- **Minimize Response Time**
- **Effective Coordination**
- **Reduce Complexity**
- **Focus on "Full" Recovery**
- **Minimize Risk to Staff**



Business Continuity Planning

BCP Background

- **Developed by Disaster Recovery Institute International (DRII) and Business Continuity Institute (BCI - United Kingdom)**
- **DRII - published as "Common Body of Knowledge" in September, 1993**
- **BCI - published as "Certification Standards for Business Continuity Practitioners" in December, 1994**
- **Joint adoption of "Body of Knowledge" on August 28, 2003**
- **Ten Subject areas of Standards**

Professional Practices for Business Continuity Planners (BCP) Phases

1. **Project Initiation and Management**

- Lead Sponsors
- Coordinate, Organize & Manage process
- Oversee BCP Process
- Present "Sell" Process to Stakeholders
- Develop Project Plan & Budget
- Define & Recommend Process Structure
- Manage the Project

Professional Practices for Business Continuity Planners (BCP) Phases

1. Project Initiation and Management
2. **Risk Evaluation and Control**
 - Identify Potential Risks
 - Understand the Function of Risk Reduction / Mitigation
 - Identify Outside Expertise Required
 - Identify Exposures
 - Identify Risk Reduction / Mitigation Alternatives
 - Confirm Acceptable Risk Levels
 - Document & Present Findings

Professional Practices for Business Continuity Planners (BCP) Phases

1. Project Initiation and Management
2. Risk Evaluation and Control
3. **Business Impact Analysis**
 - Identify SME
 - Define Criticality Criteria
 - Obtain Approval
 - Coordinate Analysis
 - Identify Interdependencies
 - Define Recovery Time Objectives
 - Prepare & Present Findings

Professional Practices for Business Continuity Planners (BCP) Phases

1. Project Initiation and Management
2. Risk Evaluation and Control
3. Business Impact Analysis
4. **Developing Business Continuity Management Strategies**
 - Understand Available Alternatives
 - Identify Viable Recovery Strategies
 - Consolidate Strategies
 - Identify Off-Site Requirements and Alternative Facilities
 - Develop Business Unit Strategies
 - Obtain Management support

Professional Practices for Business Continuity Planners (BCP) Phases

1. Project Initiation and Management
2. Risk Evaluation and Control
3. Business Impact Analysis
4. Developing Business Continuity Management Strategies
5. **Emergency Response and Operations**
 - Identify Potential Types of Emergencies
 - Identify the Existence of Appropriate Response Procedures
 - Recommend Development where None Exist
 - Integrate DR/BC with Emergency Response
 - Identify Command & Control Requirements
 - Recommend Development of Command & Control
 - Ensure Integration with Requirements of Public Authorities

Professional Practices for Business Continuity Planners (BCP) Phases

1. Project Initiation and Management
2. Risk Evaluation and Control
3. Business Impact Analysis
4. Developing Business Continuity Management Strategies
5. Emergency Response and Operations
6. **Developing and Implementing Business Continuity Plans**
 - Identify the Components of the Planning Process
 - Control the Planning Process
 - Implement the Plan
 - Test the Plan
 - Maintain the Plan

Professional Practices for Business Continuity Planners (BCP) Phases

1. Project Initiation and Management
2. Risk Evaluation and Control
3. Business Impact Analysis
4. Developing Business Continuity Management Strategies
5. Emergency Response and Operations
6. Developing and Implementing Business Continuity Plans
7. **Awareness and Training Programs**
 - Establish Objectives & Components
 - Identify Functional Awareness
 - Develop Methodology
 - Acquire or Develop Training Tools
 - Identify Awareness and Training Opportunities

Professional Practices for Business Continuity Planners (BCP) Phases

8. **Exercising and Maintaining Business Continuity Plans**

- Pre-Plan and Coordinate Exercises
- Facilitate the Exercise
- Evaluate and Document the Exercise Results
- Update the Plan
- Report Results/Evaluation to Management
- Coordinate Ongoing Plan to Maintenance
- Assist in Establishing Audit Program for BCP

Professional Practices for Business Continuity Planners (BCP) Phases

9. Crisis Communications

- Establish Programs for Proactive Communications
- Establish Necessary Crisis Communication Coordination with External Agencies
- Establish Essential Crisis Communications with Relevant Stakeholders Groups
- Establish and Exercise Media Handling Plans for the Organization and its Business Units.

Subject Area: 10

Coordination With External Agencies

“Establish applicable procedures and policies for coordinating response, continuity, and restoration activities with external agencies (local, state, national, emergency responders, defense, etc.) while ensuring compliance with applicable statutes or regulations”

Subject Area: 10

Coordination With External Agencies

- **The *Professional's* Role**
 - Identify and Establish Liaison Procedures for Emergency Management
 - Coordinate Emergency Management with External Agencies
 - Maintain Current Knowledge of Laws and Regulations Concerning Emergency Management as it pertains to a particular organization

Subject Area: 10

Coordination With External Agencies

- The ***Professional*** Should Demonstrate a Working Knowledge in the Following Areas:
 - Identify Applicable Laws and Regulations Governing Emergency Management
 - Identify and Coordinate with Agencies Supporting Business Continuity aims
 - Develop and Facilitate Exercises with External Agencies

Continuity of Operations Plan

COOP Background

- Commonwealth of Virginia Emergency Services and Disaster Laws of 2000
- Specifically, 44-146.18 establishes VDEM as agency with administrative & oversight functions
- Provide guidance to local governments about plan development & maintenance
- COOP provides both procedural & operational guidance
- Includes worksheets and plan template
- *Seven Phases* to include *Seven* critical elements

COOP Phases

1. **Project Initiation**

- Appoint a COOP Coordinator
- Organize a Local COOP Planning Team
- Identify and Review Current Planning Documents
- Identify Staff Hours and Budget
- Conduct an Initial Working Group Session

COOP Phases

1. Project Initiation
2. **Identification of Functional Requirements**
 - Identify all Functions
 - Identify Essential Functions
 - Determine Essential Function Resource Requirements
 - Prioritize Essential Functions

COOP Phases

1. Project Initiation
2. Identification of Functional Requirements
3. **Design and Development**
 - Cover Page
 - Executive Summary
 - Introduction
 - Purpose
 - Scope
 - Authorities and References
 - Essential Functions
 - Concepts of Operations
 - Etc, Etc, Etc.....

COOP Phases

1. Project Initiation
2. Identification of Functional Requirements
3. Design and Development
4. **Implementation**
 - Publishing the Plan
 - Distributing the Plan
 - Educating Employees on Roles and Responsibilities
 - Integrate into "Day to Day" Activities

COOP Phases

1. Project Initiation
2. Identification of Functional Requirements
3. Design and Development
4. Implementation
5. **Training, Testing and Exercises**
 - Assessing and Validating COOP Plans, Policies and Procedures
 - Educate local government personnel
 - Incorporate NIMS
 - Ensuring COOP personnel are trained to carry out essential functions during COOP Activation

COOP Phases

1. Project Initiation
2. Identification of Functional Requirements
3. Design and Development
4. Implementation
5. Training, Testing and Exercises
6. **Execution**
 - Outlining an Executive Decision Process
 - Levels of Emergency
 - Create Checklists for utilization during COOP Activation

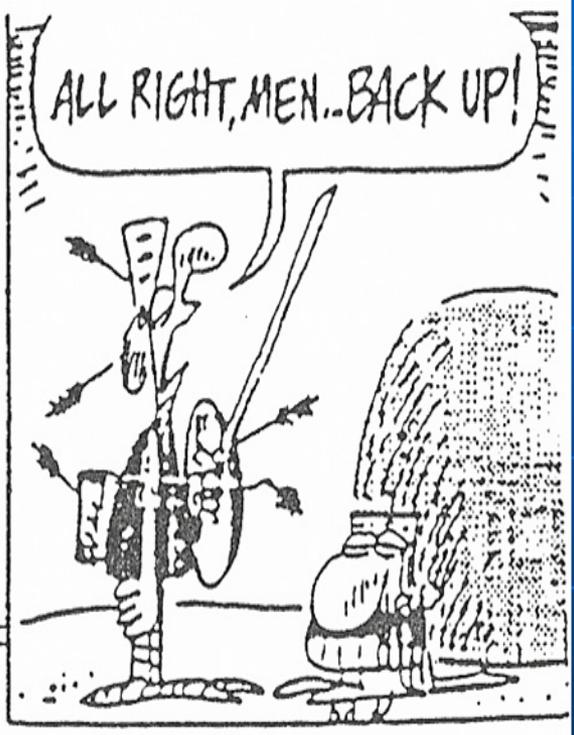
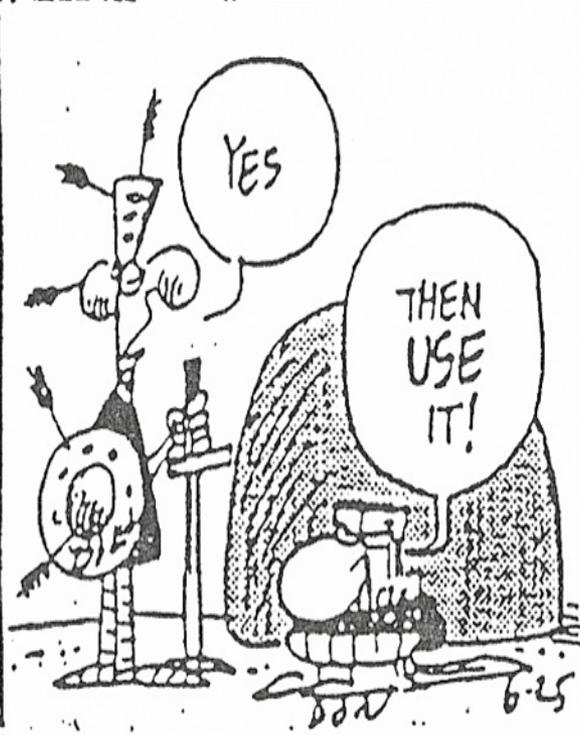
COOP Phases

1. Project Initiation
2. Identification of Functional Requirements
3. Design and Development
4. Implementation
5. Training, Testing and Exercises
6. Execution
7. **Maintenance**
 - Training
 - Conducting periodic COOP Exercises
 - Budget / Financial Issues
 - Ensure Plan is updated, when necessary

COOP Critical Elements

COOP Critical Elements

1. Essential Functions
2. Orders of Succession
3. Delegations of Authority
4. Alternate Facilities
5. Vital Records
6. Human Capital Management
7. Tests, Training and Exercises



“Hot Topics” for BCP

Current “Hot” Initiatives

- **Cloud Computing**
- **Situational Awareness**
- **Supply Chain Options**
- **Notification Methodology's**
- **Technology Advancements**

Game Changer



Ready Virginia app is available !!

Download it today.



Alerts: Real-time weather and hazard alerts for your location



Plan: Make your emergency plan and share it with your friends



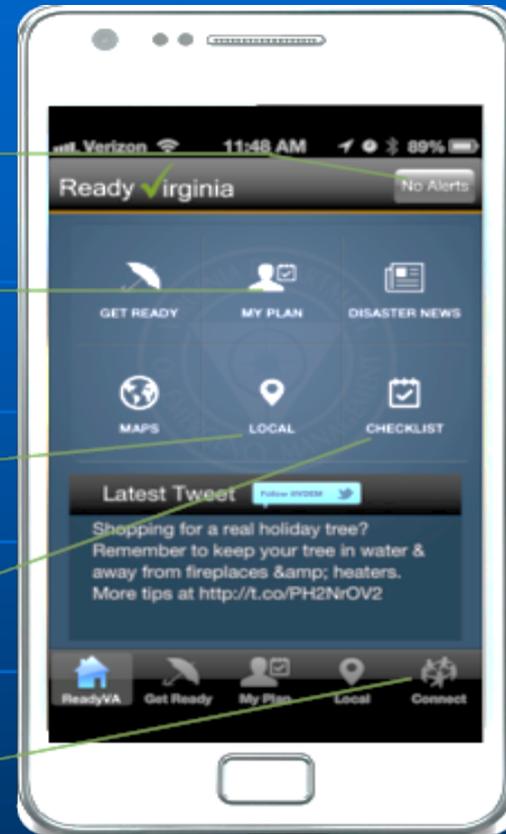
Local: GPS-enabled evacuation routes, flood risk updates, stream gauge rates, and disaster history



Checklist: Essential emergency supplies to have in your kit



Threats: Push notifications, disaster news, and social media updates to keep you safe



Norfolk hires Chief Officer for "catastrophic events"

**Virginian-Pilot
June 28, 2014**



**Christine Morris
Chief Resilience Officer**

- Assistant to City Manager
- ..."bounce back from catastrophic events and chronic stresses"
- Third City in World
- Rockefeller Foundation

Critical Infrastructure Sectors

Key Resources (CIKR)

- Agriculture & Food
- **Banking & Finance**
- Chemical
- Commercial Facilities
- Communications
- Critical Manufacturing
- Dams
- Defense Industrial Base
- Emergency Services
- Energy
- Government Facilities
- Healthcare & Public Health
- Information Technology
- National Monuments & Icons
- Nuclear Reactors, Materials & Waste
- Postal & Shipping
- Transportation Systems
- Water
- Manufacturing

Partnership Model

- I. National Level
- II. Local Level
- III. Coordinating Level

Tier I: National Level Partnerships

In 2002, two entities were formed (by Treasury) at the national level to improve sector coordination and communication:

- **Financial & Banking Information Infrastructure Committee (FBIIC) - *public sector; formed January 2002***
- **Financial Services Sector Coordinating Council (FSSCC) - *private sector; formed June 2002***

Tier I: National Level Partnerships

- In December 2003, after the Department of Homeland Security was formed, they released Homeland Security Presidential Directive 7, requiring all critical infrastructure sectors to follow this model, to create national-level partnership structure.
- All critical sectors now have a:
 - Government Coordinating Council (GCC)
 - Sector Coordinating Council (SCC)

*After that, the focus
became regional.....*

**Tier II:
The Local Level
(Regional Coalitions)**

Regional Partnership Council: *RPCfirst*

Formed in 2005,
by ChicagoFIRST,
to:

- Foster collaboration among coalitions, sharing lessons learned & best practices.
- Serve as single point of contact for member coalitions.
- Annual meetings & quarterly calls.
- Plugs into the national public/private partnership.

www.rpcfirst.org



RPC*first* Members

- Alabama Recovery Coalition for the Financial Sector
- Alaska Financial Services Coalition for Business Continuity
- ArizonaFIRST
- Arkansas Bankers Coalition for Disasters and Emergencies
- BARC*first* (Bay Area)
- CenCalFIRST
- ChicagoFIRST
- Colorado
- DFW*first* (Dallas/Fort Worth)
- FloridaFIRST (Miami & Tampa)
- Georgia
- HawaiiFIRST
- Louisiana Bankers Emergency Preparedness Coalition
- Memphis
- Minneapolis (InfraGard Minnesota)
- Missouri (ShowMeFIRST)
- NCR*first*
- Nevada
- North Carolina
- Northern Ohio
- Philadelphia – Chester County & Montgomery County
- SoCal*first*
- **Virginia1st**
- WashingtonFIRST

Private Firms Need to Collaborate with the Public Sector at All Levels

Do firms know.....

- How their local jurisdiction prevents, prepares for, responds to, and recovers from incidents?
- How their local jurisdiction coordinates with the state and federal public safety agencies?
- How to collaborate with federal agencies?

Business continuity and security plans MUST⁵⁰ incorporate public sector plans.

Public Sector at All Levels Needs to Collaborate with Critical Sectors

Do public sector agencies know.....

- The firms that can support their response function?
- The firms that are critical to the region and need to be up and running so that the region, or even the nation, can function?
- What critical firms need to be resilient?

Public sector plans and approaches MUST account for the resilience of critical sectors

Partnerships ?

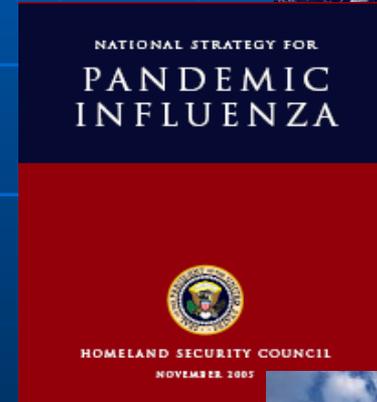
- Public



- Private



- Volunteers



Define “BCP Partner” ?

- Access
- Communication
- Coordination
- Information
- Resources

Public Sector

- Federal



- State



- Local



Federal Agencies

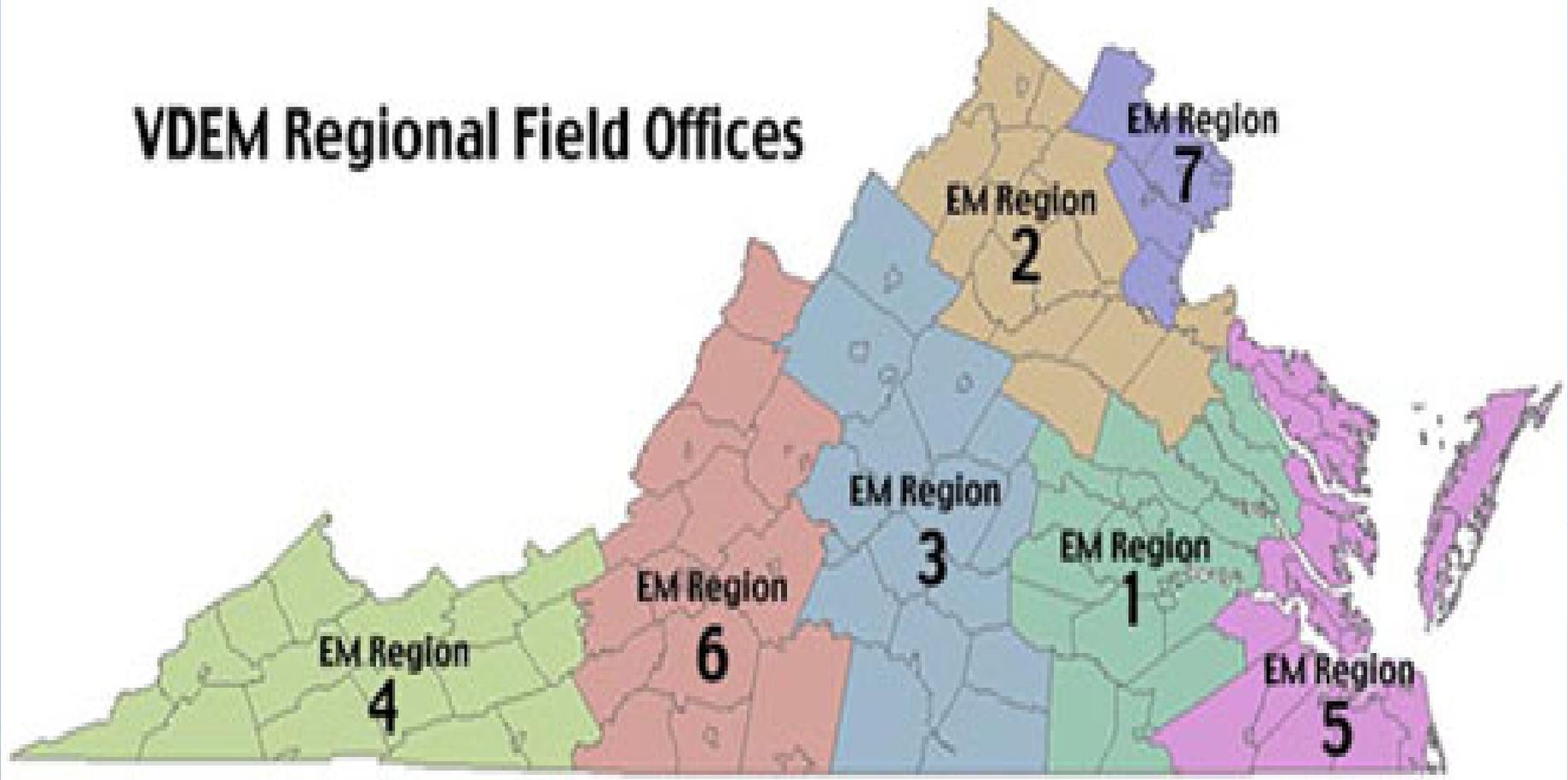
- Transportation
- Homeland Security
- General Services Administration
- Defense
- U.S. Army Corps of Engineers
- Federal Communications Commission
- Agriculture
- Health and Human Services
- Energy
- Justice
- FEMA
- National Weather Service



Virginia Emergency Response Teams

- Emergency Management
- Agriculture & Consumer Services
- Attorney General
- Conservation & Recreation
- Criminal Justice Services
- Environmental Quality
- Fire Programs
- Forestry
- General Services
- Health
- Military Affairs
- Mines, Minerals, & Energy
- Planning & Budget
- Social Services
- State Corporation Commission
- State Police
- Transportation

VDEM Regional Field Offices



Hampton Roads



- Accomack County
- Chesapeake
- Chincoteague
- Franklin
- Gloucester
- Hampton
- Isle of Wight
- James City County
- Newport News
- Norfolk
- Northampton County
- Poquoson
- Portsmouth
- Southampton County
- Surry
- Suffolk
- Virginia Beach
- Williamsburg
- York County

HREMC Partners



- Military Members
- Red Cross
- Virginia Department of Health
- Cox Communications
- Dominion Virginia Power
- Department of Homeland Security (DHS/FEMA)
- Sentara Norfolk General
- Hampton Roads Transit
- Federal Bureau of Investigation (FBI)
- Volunteer Organizations Active in Disasters (VOAD)
- Verizon Wireless
- TowneBank
- *Virginia1st*

Volunteers

- Community Emergency Response Team (CERT)



- Association of Contingency Planners



- Medical Reserve Corp (MRC)



- Volunteer Organizations Active in Disasters



- Amateur Radio





- Established: December, 2007
 - Organization Type: 501 (c) (6)
 - Bylaws & Code of Ethics Established
 - Financial Membership: 35
 - Strategic Partners: 17
 - Regularly Scheduled Programs & Events
 - #1 Disaster Support Requirement....
- *Goal: Continuity of Financial Services to Local Community*

CASH !!





Burke & Herbert Bank

At Your Service Since 1852





FEMA

- National Business Emergency Operations Center (NBEOC)
- Regional Business Emergency Operations Center
(FEMA, Region III, Pilot)
- FEMA Daily Operations Briefing
(Email Subscription)

Regulators



U.S. DEPARTMENT OF THE
TREASURY

Federal Deposit Insurance Corporation

Each depositor insured to at least \$250,000 per insured bank through 12/31/2013



Commonwealth of Virginia
State Corporation Commission

Board of Governors of the Federal Reserve System

The Federal Reserve, the central bank of the United States, provides the nation with a safe, flexible, and stable monetary and financial system.

Quiz Time !!







“*HOPE* is NOT a Strategy”

John C. Maxwell



Summary

Cooperation



Communication

Keys to Collaboration

- **Identify Areas and Means of Collaboration**
 - **Share Information – “Two Way”**
 - **Establish Communication Protocols**
 - **Validate & Share Business Continuity Plans**
 - **Establish Credentialing Program for Local Access**
 - **Identify Industry specific Contributions**
 - **Recognize “Business Continuity “ coincides with “Community Recovery”**

Questions or
Comments?

Contact Information

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Adam Crowe
VCU
“Social Media in Emergency
Management”

July 9, 2014

#SocialMedia

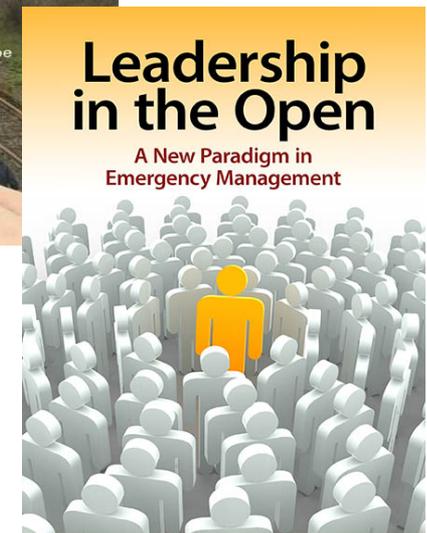
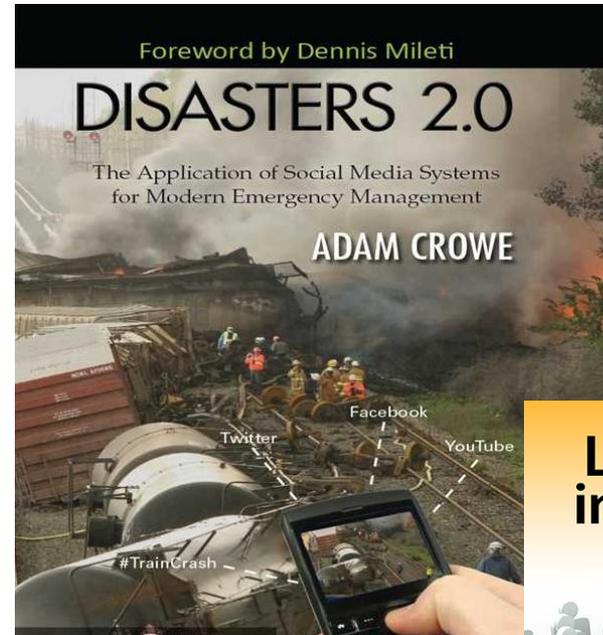


The Impact & Importance of Social Media in Disaster Response

Adam Crowe

(The Dude Talking...)

- ☞ Certified Emergency Manager
- ☞ Director – Emergency Preparedness at Virginia Commonwealth University (VCU)
- ☞ Previous Work in Public Health and County EM
- ☞ Author
 - “Disasters 2.0: Application of Social Media in Modern Emergency Management”
 - “Leadership in the Open: A New Paradigm in Emergency Management”
- ☞ Humanity Road Board member
- ☞ Blog for Emergency Management Magazine



Adam S. Crowe

Steve Jobs

“It’s better to be a pirate
than join the navy.”

View of Social Media -- #1

(...One Big Frat Party)



View of Social Media #2

(...Formal & Fit into the Mold)



View of Social Media #3

(...One Giant Battle for the Good of Mankind)



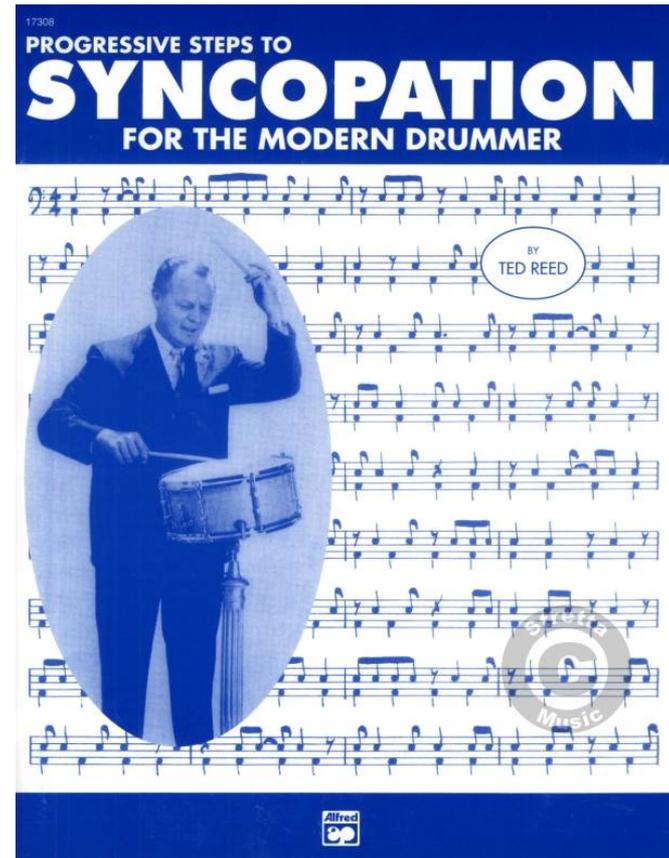
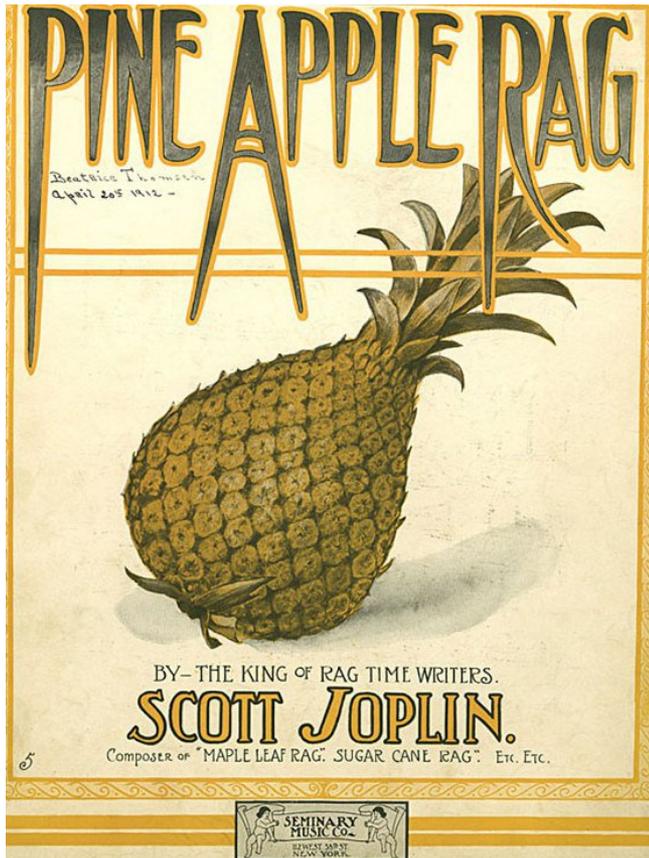
View of Social Media #4

(...24/7 Reporting of How Great Your Friend's Lives Are)



Syncopation

(How Professionals Perceive Social Media)



The New Citizen



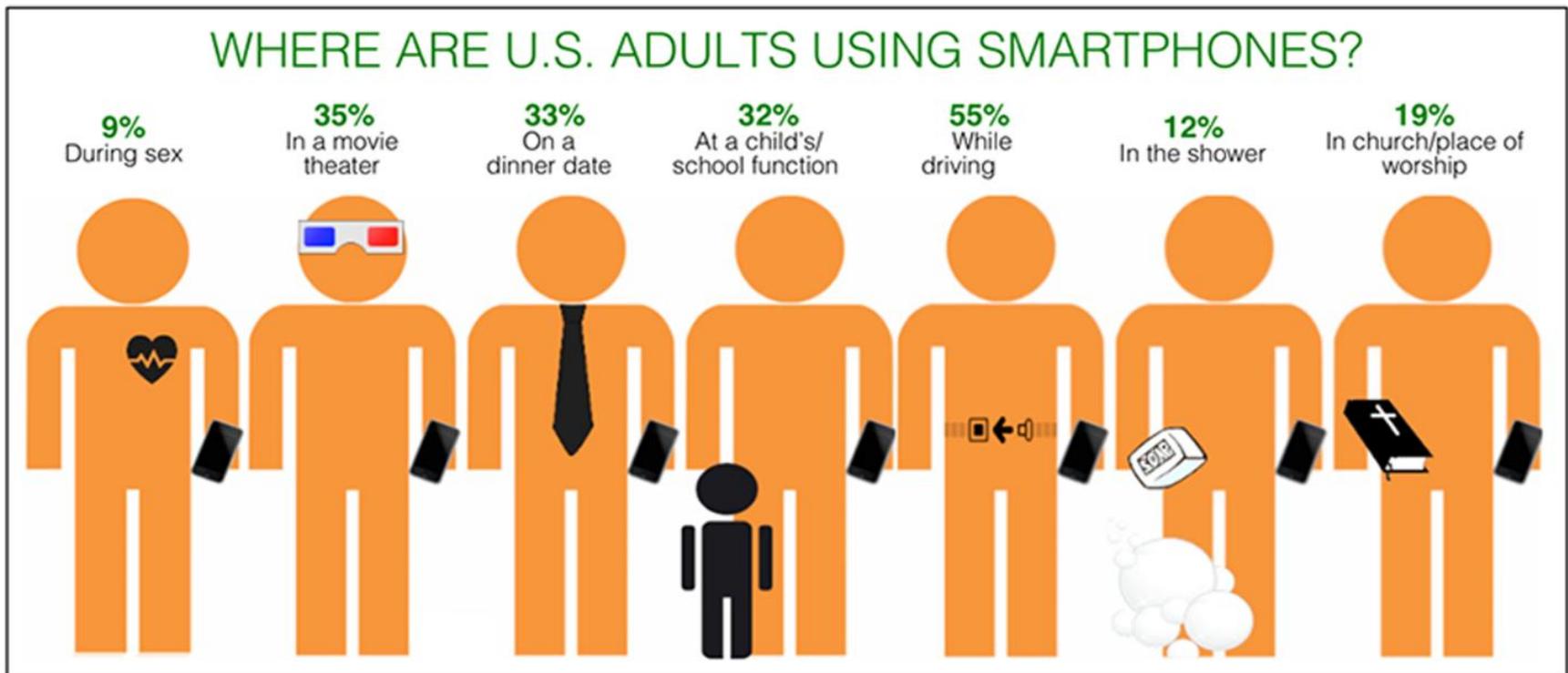
- ∞ Mobile Device Centric
- ∞ Raising Digital Native Children
- ∞ Doesn't Engage in the Following:
 - Newspaper
 - Local TV
 - Civic Groups
- ∞ Digital Commerce
- ∞ Shift in Trusted Sources
- ∞ Age Doesn't Matter
- ∞ Send and Receive Information

Perspective – Mobile Devices

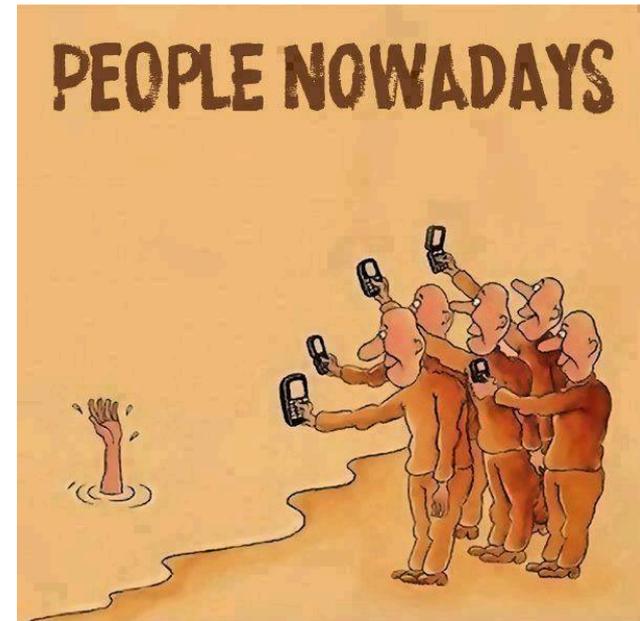
91%

56%

Where Do People Use Smartphones?



Distorted Reality



“The web is at a really important turning point right now. Up until recently, the default on the web has been that most things aren’t social and most things don’t use your real identity. We’re building toward a web where the default is social.”



User Indifference



TYPICAL GOV'T APPROACHES



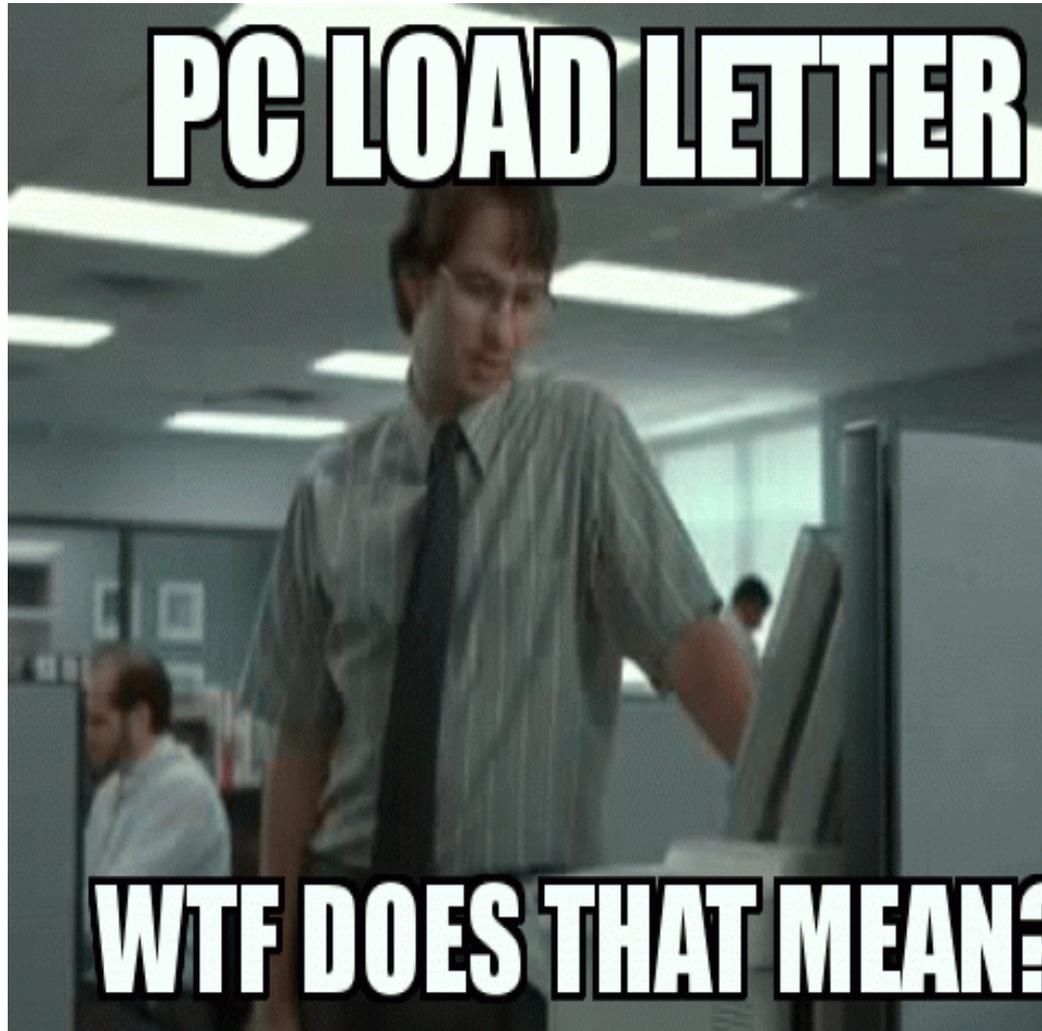
Outdoor Warning Sirens



Weather Radio



Fax Machines



Press Release



Websites

The Many Faces Of...



STAY CALM AND DON'T FREAK OUT!!

Unfortunately, the page you are looking for is unavailable. Try visiting our [home page](#) and starting from there.



The Many

Follow Us on Twitter

Design and illustration by [Reagan Ray](#)

Communication Style



“If you play by those rules, you will almost certainly lose...the alternative is both obvious and scary: Change the rules.”

History of Social Media & Disasters



London Bombings (2005)



Virginia Tech Shootings (2007)



Mumbai Terrorist Attacks (2008)



Miracle on the Hudson (2009)



Christchurch Earthquake



U
band
together.
CAN

The bonds in Canterbury are stronger than ever.
These are the kind of connections that help our
people succeed beyond measure.
www.canterbury.ac.nz

UC
UNIVERSITY OF
CANTERBURY
Te Whare Wānanga o Waitaha
CHRISTCHURCH NEW ZEALAND

UCSB
student
volunteer
ARMY

William William, BA

Haiti Earthquake (2010)

Text your needs to
4636
in Haiti



If you are in Haiti, report emergency information and location by texting free to 4636

In Haiti? Text **4636** (International: **447624802524**) on Digicel with your location and need. Report emergencies and missing persons.

Haiti
The 2010 Earthquake in Haiti

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FILTERS → [REPORTS](#) NEWS PICTURES VIDEO TODO VIEWS → [CLUSTERS](#)

Map showing earthquake clusters in Haiti, centered on Port-au-Prince. The map includes a Google Maps interface with a search bar, a scale bar, and a date range selector (From: Jan 12 2010 To: Jan 19 2010). A 'PLAY' button is visible at the bottom right of the map area.

← CATEGORY FILTER

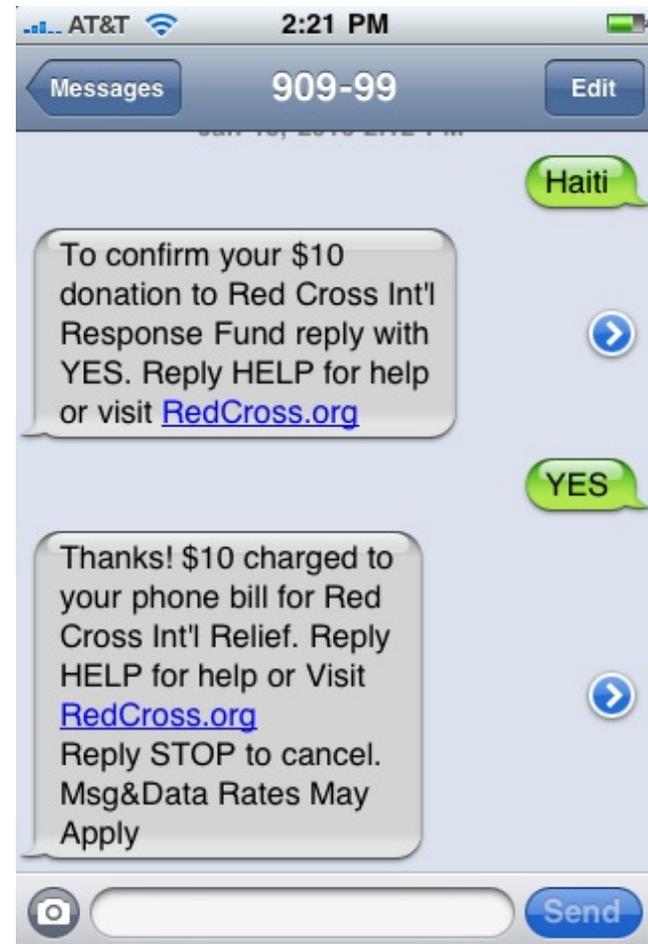
- ALL CATEGORIES
- 1. URGENCES | EMERGENCY
- 2. MENACES | THREATS
- 3. URGENCES LOGISTIQUES | VITAL LINES
- 4. SECOURS | RESPONSE
- 5. AUTRE | OTHER
- 6. NOUVELLES DE PERSONNES | PERSONS NEWS
- DEMANDANT DE TRANSMETTRE UN MESSAGE



Text to Donate



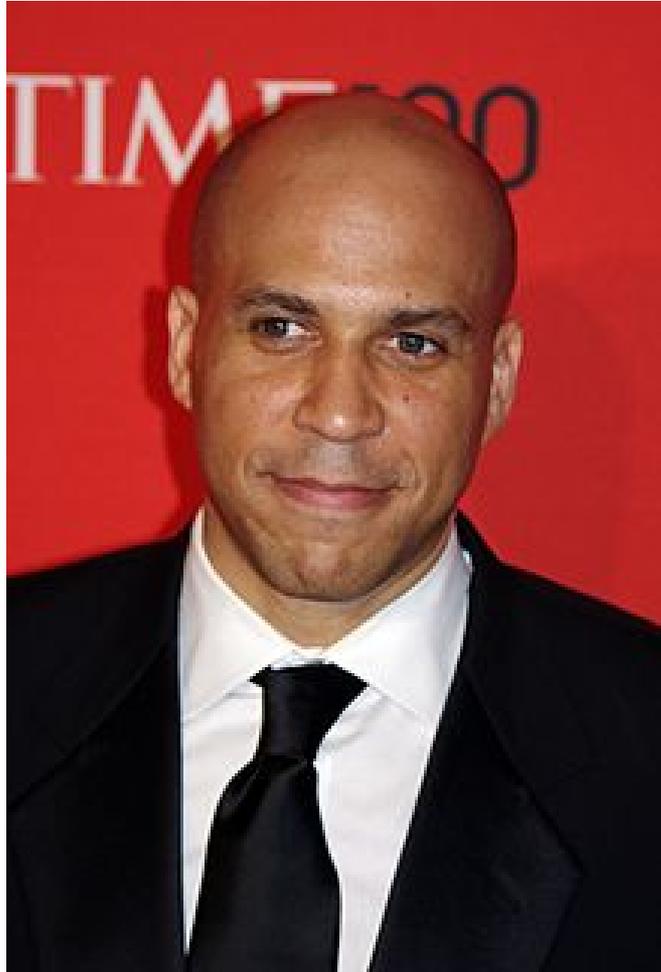
Text "Haiti" to "90999"



Iceland Volcanic Eruption



Snowmageddon (2010)



Alabama Tornado Outbreak (2011)

TOOMER'S
FOR TUSCALOOSA

f
t
You Tube
flickr

READY TO MAKE A DIFFERENCE? DONATE

HOME
ABOUT TFT
RECENT TFT NEWS
PRESS INQUIRY
VOLUNTEER
NEEDS
SHELTERS/FOOD PANTRIES
CONTACT US



DONATE NOW
Click here to find out how to give.

OUT OF STATE DONATIONS
List of drop off locations around the country

FAQ
Find quick answers to many TFT related questions.

LATEST POSTS

War Damn Eagle, Adam Battle!
JULY 21, 2011

Adam Battle, Auburn University student from the Supply Chain Management major, from the school of business, just packed up and headed out to move out of his Auburn apartment. Tomorrow he has his second interview with an amazing company. You've all prayed for his brother-in-law and father, who are both currently battling cancer, and you've prayed

[Read More...](#)

Featured Article on the April 27th

UPCOMING EVENTS

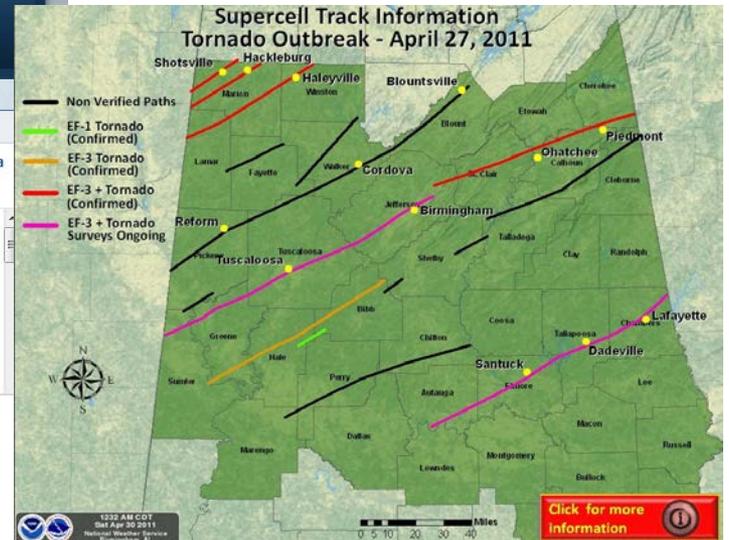
[View All Events](#)

Find us on Facebook



Toomer's for Tuscaloosa

We have a precious single mom who is a nurse whose home was destroyed in April. She is just now getting into a house and desperately needs a FRIG...if anyone has one to spare. Also in need of a queen bed. Thanks in



Southwest Flight 812 (2011)



Japan Earthquake & Tsunami (2011)



UC Davis Occupy Protest (2011)



Photo by Louise Macabitas

VA Earthquake (2011)



Vancouver Riots (2011)



Self Portraits of Criminals



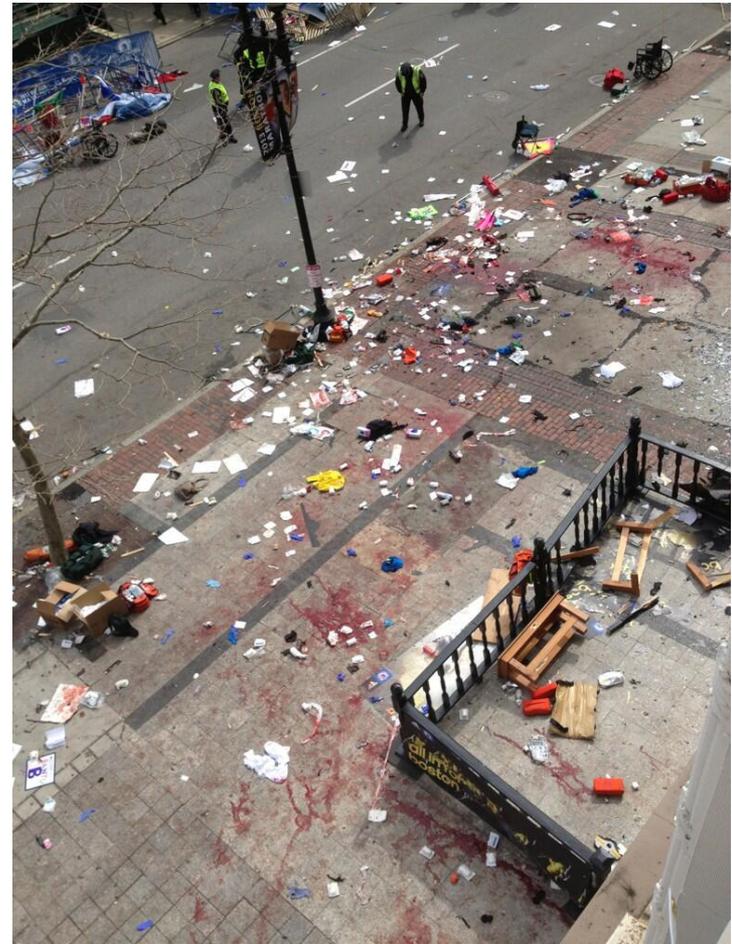
Self Portraits of Criminals



F-18 Crash



Boston Marathon Bombing (2013)



Missing People Aggregation

Google person finder
a google.org project

Person Finder: [Boston Marathon Explosions](#)

[I'm looking for someone](#)

[I have information about someone](#)

Currently tracking about 4600 records.

Resources related to the 2013 Boston Marathon Explosion

- Boston Mayor's Hotline for families of victims: 617-635-4500
- Boston Police line for witnesses who may have information: 800-494-8477
- [Red Cross Safe and Well](#)

PLEASE NOTE: All data entered will be available to the public and viewable and usable by anyone. The accuracy of this data.

[About Google Person Finder](#) · [Developers](#) · [Terms of Service](#)

powered by 



**American
Red Cross**

Safe and Well Web Site

When Affected, Get Connected

1. **Visit** redcross.org/safeandwell
2. **Register** yourself as “safe and well”
3. **Search** for your loved ones’ posted messages

redcross.org/safeandwell

Be **Red Cross** Ready
redcross.org

Crowdsourcing - Marathon

← → ↻ <https://docs.google.com/a/businessinsider.com/spreadsheet/pub?key=0AoXVKFw1Uci5dFNp>

Kids Consignment S... Acts 17:11 Bible Stu... Curriculum | Bible.o... Yahoo! Sports Fanta... Tick » Track time -

I have a place to offer - Boston Marathon explosion (Responses) : Form Responses

Timestamp	Name	Phone Number	E-mail Address	Neighborhood	Other info
4/15/2013 17:39:46	Chris McCartney-Melstad	6513257326	c.mccartney-melstad@comcast.r	Allston	Small apartment, can accommodate 1 or 2 people.
4/15/2013 17:39:48	jerri	508-439-3128	jmilbank@me.com	westborough	I don't live in the city--but can come get anyone who needs a place to stay
4/15/2013 17:39:57	Ben Liang	9142620451	ben.liang443@gmail	Kendall Square, Cambridge	
4/15/2013 17:40:10	Steven Adefeff	6173834851	steve.adeff@gmail.c	Brookline	we have a one pull out couch and space for about 2-4 others
4/15/2013 17:40:10	Josh Maislin	978-413-9080	josh.maislin@gmail.	Medford, MA	two double beds available in a single family house in Medford.
4/15/2013 17:40:11	Sarayu mangipudi	603 759 1037	Mangipudi.sm@gma	Brighton/ Washington sq	We have space in our apt for 4 people, or a family who needs a place to stay
4/15/2013 17:40:16	Ray Di Ciaccio	5088018264	ray.diciaccio@gmail	Davis Square, Somerville	Have an open bed, futon and couch
4/15/2013 17:40:17	Judah	215593066	judahjls		
4/15/2013 17:40:22	Caitlin	6179907400	caitlin.s.moore@gm	Central Square - Cambridge	
					We have an L couch to offer, one long section and a short section that

“Help Us...”



Reddit – Boston Marathon

MY SUBREDDITS ▾ FRONT - ALL - RANDOM | PICS - FUNNY - POLITICS - GAMING - ASKREDDIT - WORLDNEWS - NEWS - VIDEOS - IAMA - TODAYILEARNED - WTF - AWW - ATHEISM - TE



reddit

FINDBOSTONBOMBERS

hot

new

rising

controversial

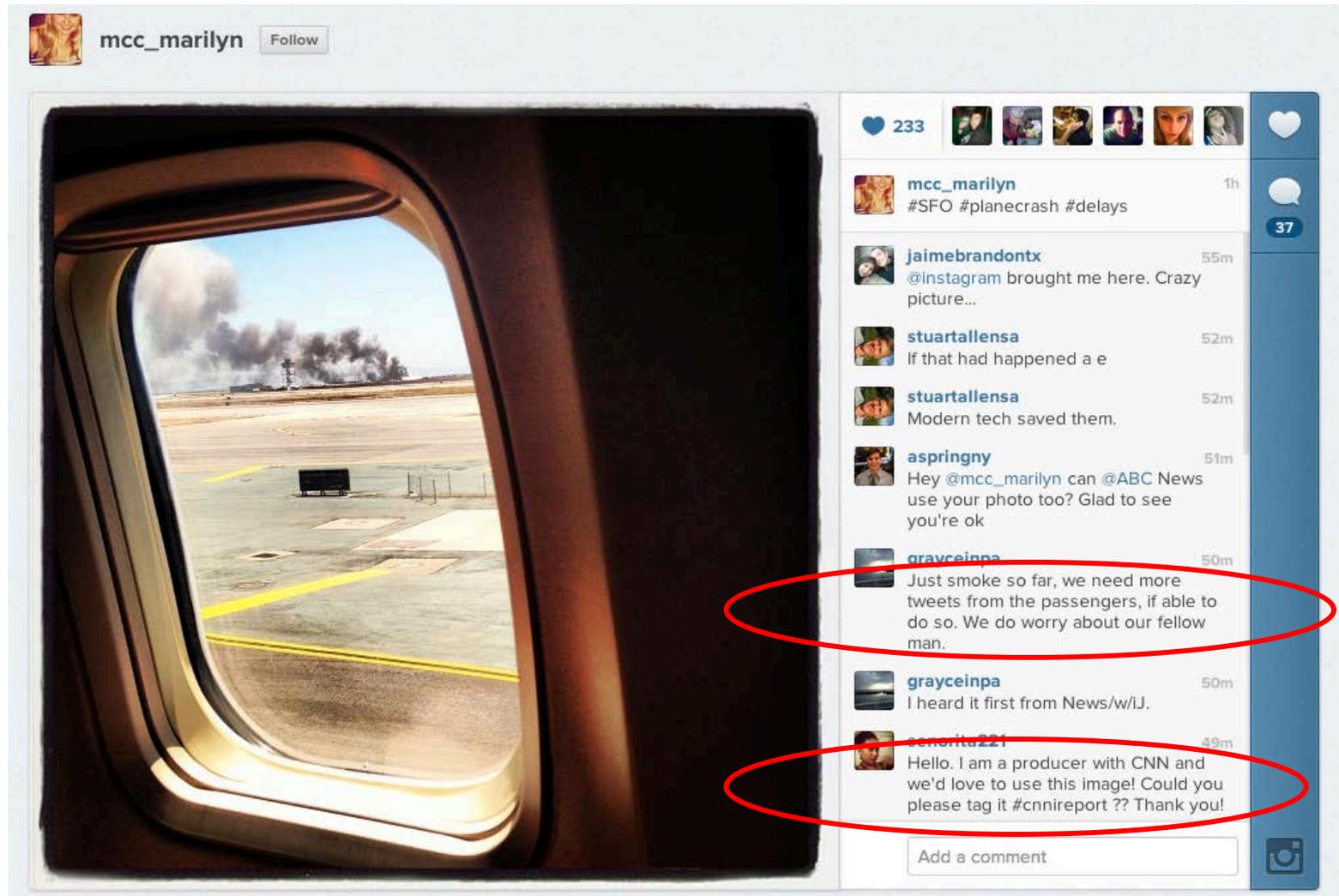
top

- ↑ 535 ↓  **Does anyone remember Richard Jewell?** (self.findbostonbombers)
submitted 5 hours ago by roach
Aa + 66 comments share
- ↑ 119 ↓  **Electronic Bomb Component Analysis** (imgur.com)
submitted 4 hours ago by icemass
50 comments share
- ↑ 216 ↓  **Blue Robe Guy** (self.findbostonbombers)
submitted 10 hours ago* by 7feet4inches520lbs
Aa + 232 comments share
- ↑ 50 ↓  **Is this the bomb bag placed since early morning?** (i.imgur.com)
submitted 3 hours ago by notherrightnumbers
NSFW 30 comments share
- ↑ 74 ↓  **Photo Dump Compilation (MegaThread)** (self.findbostonbombers)
submitted 8 hours ago* by ChadBro_Chill
Aa + 41 comments share
- ↑ 60 ↓  **CALL TO CONSOLIDATE RESOURCES TO THIS SUBREDDIT** (self.findbostonbombers)
submitted 8 hours ago* by consolidatetogether
Aa + 16 comments share
- ↑ 84 ↓  **We're looking for a black Fox backpack / bag** (pbs.twimg.com)
submitted 10 hours ago by oops777
45 comments share
- ↑ ↓  **My small contribution - 4 photos around 731 Boylston at approx. 2:05pm** (imgur.com)
submitted 51 minutes ago by mdigirol
2 comments share
- ↑ 17 ↓  **Better Crowd Sourcing Tools and Organization Needed** (self.findbostonbombers)
submitted 2 hours ago* by EducateThemAsses
Aa + 10 comments share
- ↑ 43 ↓  **Thought: Has anyone looked at people with strollers?** (self.findbostonbombers)
submitted 7 hours ago by digitalhawkeye
Aa + 6 comments share

The Blue Robe Guy



Asiana Flight 214



mcc_marilyn Follow

233

mcc_marilyn 1h
#SFO #plane crash #delays

jaimebrandontx 55m
@instagram brought me here. Crazy picture...

stuartallensa 52m
If that had happened a e

stuartallensa 52m
Modern tech saved them.

aspringny 51m
Hey @mcc_marilyn can @ABC News use your photo too? Glad to see you're ok

grayceinpa 50m
Just smoke so far, we need more tweets from the passengers, if able to do so. We do worry about our fellow man.

grayceinpa 50m
I heard it first from News/w/IJ.

senorita221 49m
Hello. I am a producer with CNN and we'd love to use this image! Could you please tag it #cnnreport ?? Thank you!

Add a comment

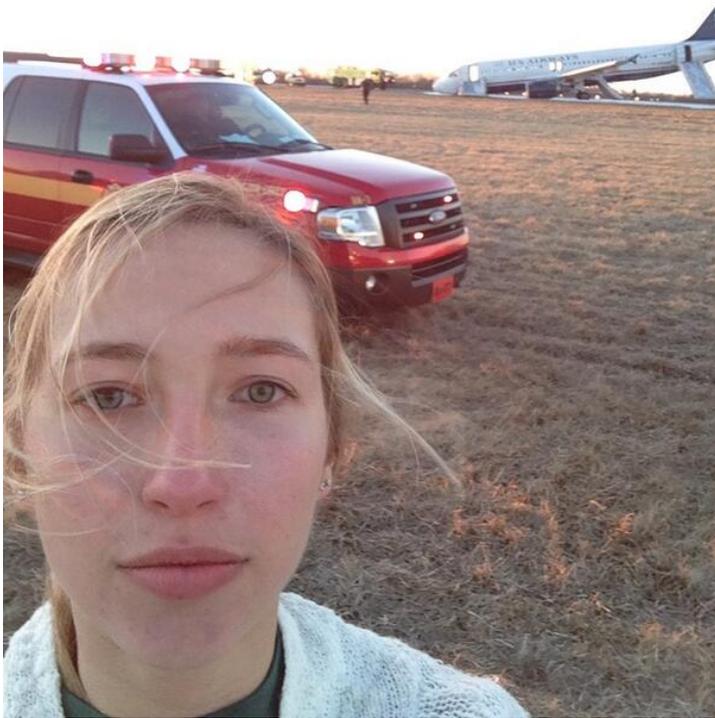
NTSB – Asiana Flt 214



NTSB – Asiana Flt 214



Disaster Selfies (2014)



Glen Allen HS Lockdown (2013)



BREAKING NEWS

GLEN ALLEN H.S. LOCKDOWN

DOZENS OF OFFICERS AT CAMPUS

Glen Allen HS Lockdown (2013)



Glen Allen HS Lockdown (2013)



Malaysian Flight 370



tomnod POWERED by DigitalGlobe

Missing Airplane: Malaysia Airlines MH370

Malaysia Airlines flight MH370 and its 239 passengers vanished from radar while en route to Beijing from Kuala Lumpur.

Help search satellite images for...

-  Oil Slick
-  Wreckage
-  Raft
-  Other

[JOIN NOW](#)



Paradigm Shift



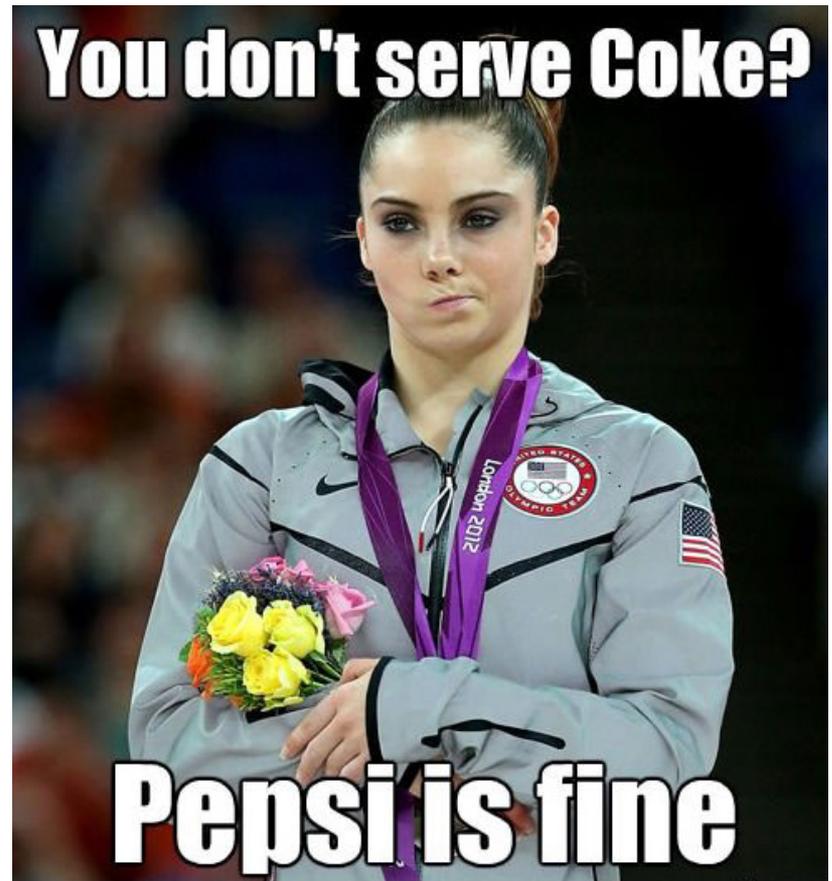
The Invisible Line



“Epidemic” Information



**mckayla is
not impressed.**



more awesome pictures at THEMETAPICTURE.COM

Humor and Virality



Harlem Shake



Filter Failure, Not Info Overload



Techno-Volunteers

∞ Examples

- CrisisCommons
- CrisisMappers
- HumanityRoad
- VOST

∞ Ushahidi

∞ Mission 4636



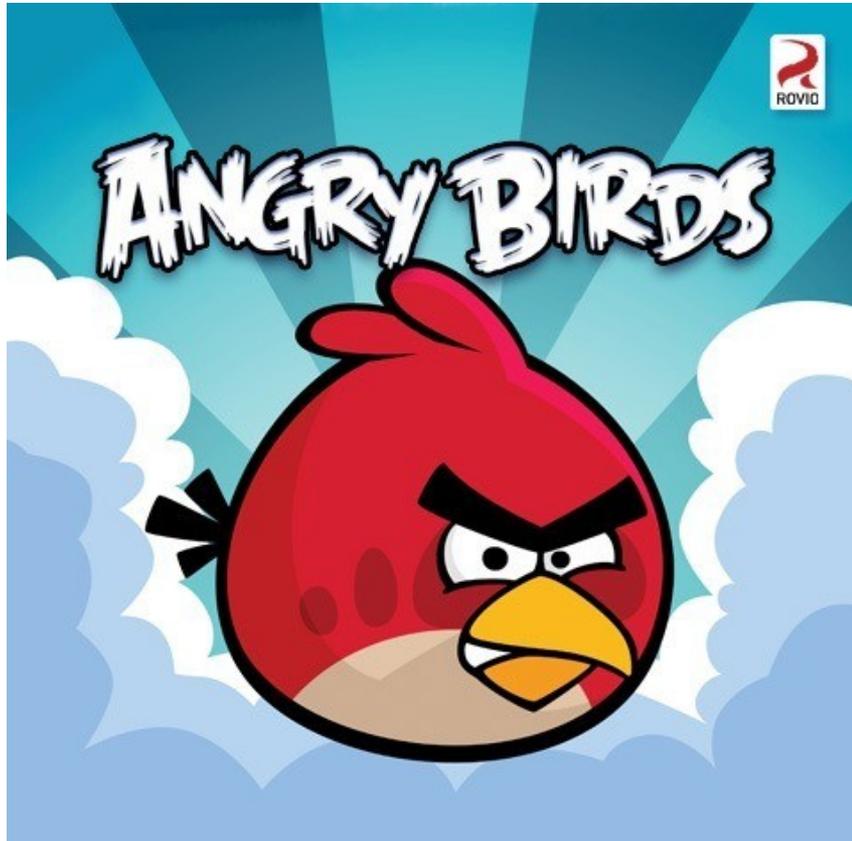
washington dc
crisiscamp



WHAT'S NEXT?



Gamification



Where does the Social Media Belong?



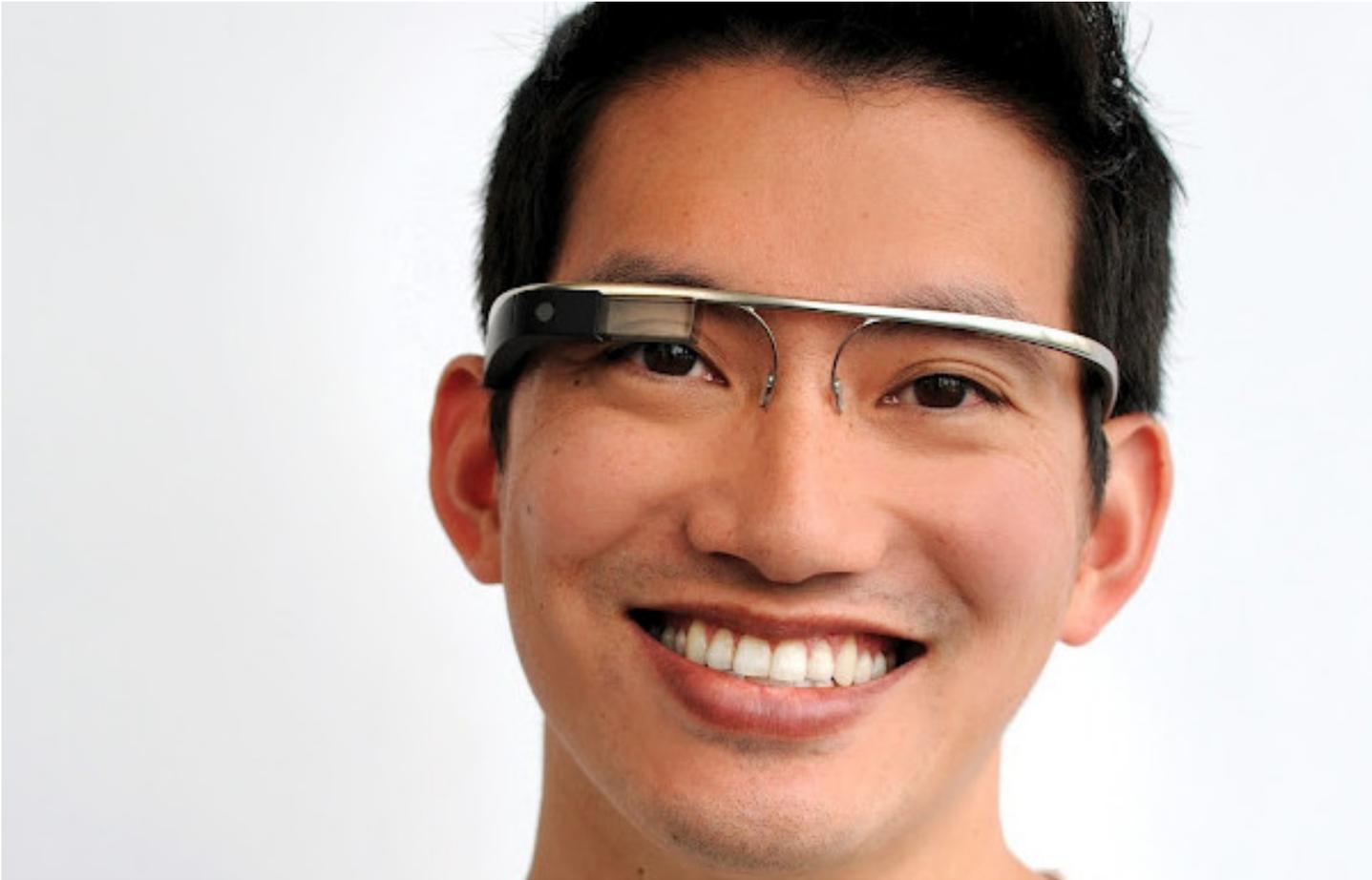
Testing & Exercise

- ∞ Co-Mingling Information
- ∞ Speed & Pace
- ∞ Review & Approval
- ∞ Commercial Products –
Simulation Deck



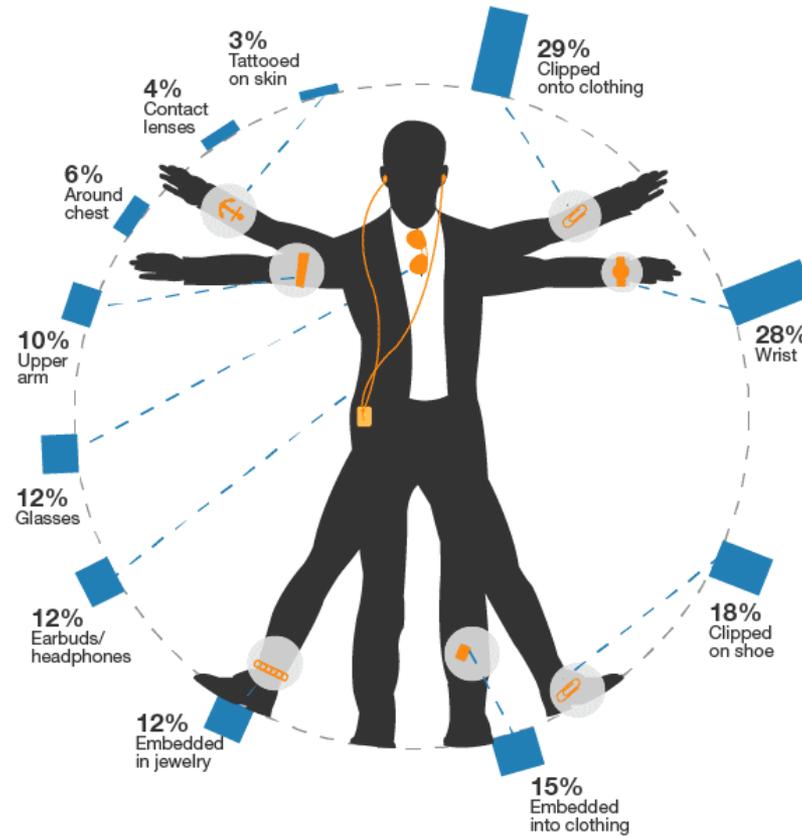
SimulationDeck[®]
PATENT PENDING

Wearable Technology



Wearable Technology

"How would you be interested in wearing/using a sensor device, assuming it was from a brand you trust, offering a service that interests you?"



Base: 4,657 US online adults (18+)
(multiple responses accepted)

Questions?

Adam Crowe

Director – Emergency Preparedness

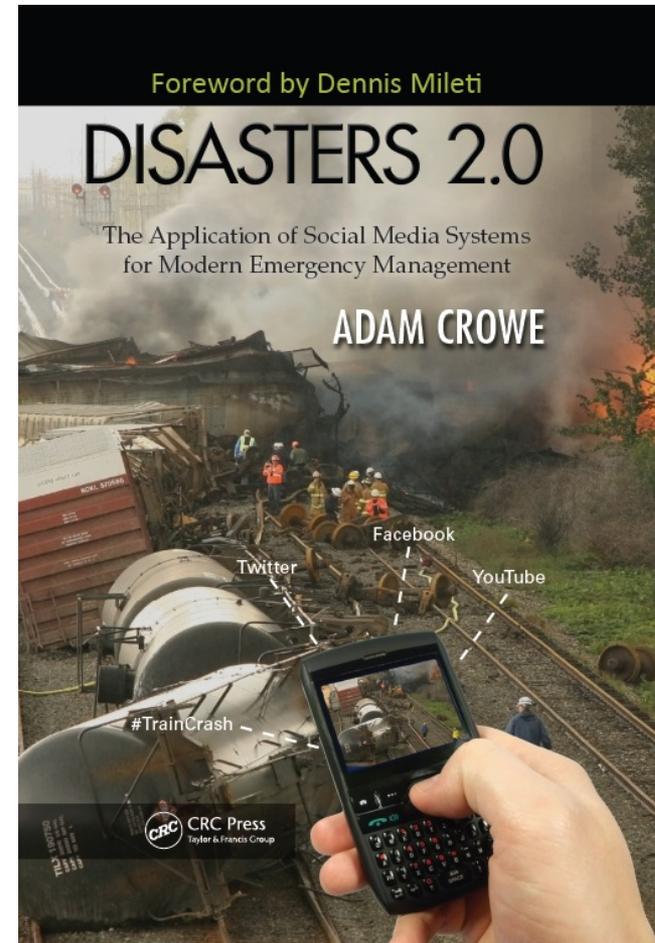
Virginia Commonwealth University (VCU)

ascrowe@vcu.edu

@adamscrowe

“Disasters 2.0: The Application of Social Media in Modern Emergency Management.”

“Leadership in the Open: A New Paradigm in Emergency Management.”





2014 IS Council Committees

Michael Watson, CISO



2014 IS Council Committees

- 2015 IS Conference Committee (Chairs – Rosario Igharas & Marcie Stidman-Stout),
- Information Security as a Percentage and Scope of the IT Budget (Chair – Maurion Edwards),
- IT Security Standards and Policies (Chair - Brian V. Gibbs-Wilson),
- ISO Communication and Knowledge Sharing Website (Chair - Andy Hallberg), and
- IPv6 (Chair - Andrea DiFabio)



2015 InfoSec Conference Committee

Rosario Igharas and Marcie Stidham-Stout



2015 InfoSec Conference Committee

Objective:

To organize and coordinate the annual Information security Conference;
To bring together leaders in various domains of information security to exchange and share their expertise in and network with COV Information Technology professionals and the ISO community.

Tentative Date: April 2-3, 2015

Interested in presenting or being part of the conference committee? Please contact the following:

Rosario Igharas (righaras@virginia529.com)

Marcie Stidman-Stout (Marcie.Stout@dbhds.virginia.gov)

or any member of the Conference Committee



2015 InfoSec Conference Committee

CO-CHAIRS:

**Rosario Igharas
Marcie Stidman-Stout**

Sub-Committees:

**Keynote Speaker Search
Program and Break Out Sessions**

**Chandra Barnes
Lourdes Lunsford
Deborah Edwards**

**Vendors
Facilities and Logistics
VITA Liaison and Support**

**Dan Han
Hope Adams
Tina Harris-Cunningham
Janice Akers**

Members:

**Mike MacEwen
Joe Hubbell
Paul Bradley**

**Chandos Carrow
Steve Thomas
Ray Usler**



2014 IS Council Committees

Questions ???????



Virginia Information Technologies Agency

Upcoming Events





Future ISOAG

August 6 1:00 – 4:00 pm @ CESC
Keynote: Andy Bonillo, Verizon
**Topic: Verizon 2014 Data Breach
Investigative Report**

ISOAG meets the 1st Wednesday of each month in 2014



IS Orientation

When: Thursday, September 11, 2014

Time: 1:00 pm to 3:00 pm

Where: CESC , Room 1221

Register here:

<http://vita2.virginia.gov/registration/Session.cfm?MeetingID=10>

Next IS Orientation will be held on December 4, 2014



Submit Events

- If your group or organization is promoting a security related event and would like to have it communicated to the Information Security Officer community:

Please submit all upcoming events to:

CommonwealthSecurity@VITA.Virginia.Gov



ADJOURN

THANK YOU FOR ATTENDING





VDEM TOUR

VDEM Overview and Tour

**Ryan Garnowski, Private Sector Liaison
Virginia Department of Emergency Management**