Emergency Preparedness
On Campus
General Faculty Meeting

27 November 2007

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GA Tech
Agenda

- Campus Uniqueness
- Threat and Risk at Georgia Tech
- Are You Ready? (scenarios)
- Emergency Planning
- Training, Exercises & Site Visits
- Incident Command System (ICS)
- Emergency Notification
- New or Enhanced Emergency Preparedness Programs
- VA Tech Lessons Learned
- Looking Ahead
- Keys to Success
- Questions

FOUO
Campus Uniqueness

- Usually open environment
- Often part of urban setting
- Students and faculty from all over the world
- Students = Invincible
- Labs = Chemicals, Radiation, Toxins & Animal Research
- Time to explore ideas
- Potential for Radicalization
- Large sporting events
- Residence Halls
 Threat and Risk

- Must be based on Risk and Threat
- So, how do you determine Risk and Threat?
- Once you identify gaps, you must fix them!
- So, what are the threats and risks at GA Tech?

Risk = f(Consequence, Vulnerability, and Threat)
Threat and Risk at GA Tech

- Urban Crime/Bleed Over
- Fire
- Wind
- Chemicals
- Sporting Events
- Special Events
- Lone Wolf
- Copycat
- Outside Factors (interstate highway, railroad, Atlanta)
Mitigating Threat & Risk

- Identity and Reduce Gaps
- Random Security Measures
- Redbooks and Building Ownership
- Training & Education
- Exercises
- Resources
- Collaboration & Relationships
- Emergency Notification
Are You Ready?

- The fire alarm sounds at 3:00 a.m. – are you ready?
- Smoke fills the first floor hallway, and a mobility impaired student is in room 117 – are you ready?
- Shots are ringing through the hallway – are you ready?
- You just received an anonymous call from someone claiming that there is a bomb in the basement – are you ready?
- It’s Noon when the sky suddenly turns black and you hear sirens in the distance – are you ready?
- Three police cars, five fire trucks and countless campus officials arrive in front of your residence hall – are you ready?
Tactical Situation

- Student enters Library, pulls out assault rifle, separates men from women, and then shoots women.
- Continues shooting other students in the hallway.
- Goes outside – shoots additional female students.
- Later enters a classroom and barricades himself with hostage.
- GTPD & 9-11 Contacted

What Do We Have?
Action Steps?
Expected Responders?
Who’s In Charge?

FOUO
Building manager receives a phone call from an unknown person that a bomb has been placed in the building and will detonate in 45 minutes.

Twenty minutes into the search, a briefcase in the second floor lounge is noticed that “shouldn’t be there.”

Rather than a suspicious package, what if there was a suspicious vehicle?

What Do We Have?
Action Steps?
Expected Responders?
Who’s In Charge?
Fire!

- Fire breaks out at 3:00 a.m. in a residence hall.
- GTPD responds at 3:05 a.m. to a fully engulfed fire.
- Students appear to be trapped.
- Several students who live in the building use wheelchairs.
- Lots of injuries; probably fatalities

What Do We Have?

Action Steps?

Expected Responders?

Who’s In Charge?
White Powder

- Administrative assistant opens envelop and white powder falls out all over the person and office.
- Admin assistant complains of light headedness and upset stomach.

What Do We Have?
Action Steps?
Expected Responders?
Who’s In Charge?
Tornado

- Doppler radar shows funnel cloud in Alpharetta
- Later Doppler radar shows funnel cloud near airport traveling toward campus.

What Do We Have?
Action Steps?
Expected Responders?
Who’s In Charge?
Terrorist Attack

- MARTA or other Atlanta “target”
- New York, Washington DC, Los Angeles, Seattle
- Small Town USA

What Do We Have?
Action Steps?
Expected Responders?
Who’s In Charge?
Planning

- Must be comprehensive, but common sense based.
- Campus buy in from police, facilities, upper management, etc.
- Provides information for critical first few minutes after a crisis begins...a running head start.
- More than simply an “operation plan,” but an action plan for both responders and community. Annexes should be specific “what to do.”
- Incorporate incident command system.
- More than a dust collector!
Training & Exercises

We must exercise to the point of failure.
Training

- Enhanced Threat and Risk Assessment
- Surveillance Detection
- Weapons of Mass Destruction Awareness
- White Powder Awareness
- Campus (Active) Shooter
- Riots on Campus Satellite Broadcast
- Red Cell Program Manager Training in DC
- Incident Command/Emergency Operation Center Interface course
- Disaster Response and Recovery Operations course
- Participated in the Housing’s Resident Assistant training program
- Regularly meet and train building/facility managers
- Regularly meet with administrative groups on campus regarding emergency preparedness
- Homeland Security Exercise and Evaluation Program (HSEEP) course
- Improvised Explosive Device Webcast
- Infection Control course
Exercises

- Building Fire/Continuity of Operations (Tabletop)
- Bomb Response (Drill)
- Campus Cable Alert (Drill)
- Remote Building Lockdown (Drill)
- Critical Incidents Command & Control (Tabletop)
- Emergency Notification Decision Making (GTPD and OIT Ops) (Functional)
- Residence Hall Fire, Evacuation & Mobility Impaired Student (Full Scale) -- canceled
- Stadium Evacuation & Bomb Response (Tabletop/Simulation)
- Inclement Weather (snow/ice) (Tabletop)
- Pandemic Flu (Tabletop)
Site Visits

- University of Georgia
- University of Maryland
- Virginia Tech
ICS Structure

- Incident Commander
- Safety Officer
- Public Information Officer
- Liaison Officer
- Operations
- Planning
- Logistics
- Finance
Emergency Notification

- GT Emergency Notification System -- e-mail, voice and text messaging in a timely manner to a critical mass of the campus community. People must provide mobile phone number, “opt in” through Passport and respond to an initial text message. Added Bat Phone between GTPD Dispatch and OIT Ops.
- Siren Warning System – 7 speakers across campus for an audio warning. Purpose is to warn/alert people outside. Hopefully will be installed in January.
- Other – Campus Cable TV, web page, Groove, etc.
- Emergency Notification SOP – harder than the technology.
Executive VP or GTPD Command Staff determines if Emergency Notification is warranted.

Conference Call with Senior Staff

OIT Ops Alerts Campus
  GT Emergency Notification
  Campus Cable TV Alert

GTPD Dispatch
  Siren Warning System*
  Phone (weather)

*when available
Emergency Notification
Keys to Success

- Early decision to send out alert between GTPD and OIT Ops.
- Conference call with senior staff.
- Critical Mass of students, faculty and staff to “opt in” to system.
- Follow up information (usually on the Institute webpage).
- Collaboration with GTPD, OIT, ICPA and others.
Erroneous Message Lessons Learned

- Floor plans need to be readily available for first responders
- Lab personnel need additional guidance on shutting down “non-incident” labs
- Messages must be more descriptive; include “reason” for action
- Update policy for “false alarms”
- “Vendor Branding” overshadowed message
- Some emergency email messages were identified as “spam”
- Incoming phone number was not recognized and ignored
- Messages arrived out of sequence
- Some people who thought they “opt in” did not get text msg
**GTENS Current Status**

<table>
<thead>
<tr>
<th>Total # of users registered:</th>
<th>25,324</th>
<th>100%</th>
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</thead>
<tbody>
<tr>
<td>(85% of 29,805 megamod recipients)</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>users opting out:</th>
<th>9,527</th>
<th>38%</th>
</tr>
</thead>
<tbody>
<tr>
<td>users opting in:</td>
<td>15,797</td>
<td>62%</td>
</tr>
<tr>
<td>with SMS:</td>
<td>8,592</td>
<td>34%</td>
</tr>
<tr>
<td>no SMS:</td>
<td>7,205</td>
<td>28%</td>
</tr>
</tbody>
</table>

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*GTENS current stats*

As of November 27, 2007, 8:19 am

- +1134 since November 1\(^{st}\)
- +136 since November 16\(^{th}\)
Technique Online Poll

Will you take future emergency alerts seriously?

Total votes: 107

- Definitely, now that they’re ironing out the kinks in the system.: 32.71%
- Only if the alerts actually have descriptive messages.: 37.38%
- Not unless people are panicking around me.: 21.50%
- Not applicable - I’m not signed up for them.: 8.41%
Other New or Enhanced EP Programs

SmartRad
- Weather tracking system that focuses on GA Tech, as opposed to NWS on Fulton County.
- Campus community can subscribe to receive weather alerts.
  - [http://www.police.gatech.edu/weather.htm](http://www.police.gatech.edu/weather.htm)

Emergency Preparedness Certification Program
- 5 Required Courses; 2 electives
- Primary audience is building managers
- Organizational Development will roll out in September.
- Upcoming Classes:
  - Emergency Preparedness 10: December 6th 1:00 p.m.
  - Red Flags, Safety Tips and Guidelines Regarding Campus Shooters: December 11th 2:00 p.m.
Virginia Tech Lessons Learned

- Campus officials must understand & use incident command.
- Police must be trained for “active shooter” situations.
- Communications overwhelmed.
- Emergency notification must be timely and to a critical mass.
- Radio interoperability with local first responders is critical.
- Interagency relationships and training.
- Media surge plan must be understood and tested.
- Room 205 Norris Hall was barricaded and no one was injured.
- Residence halls should have electronic card access.
- General classrooms should have interior locks.
- Refine team to assess at risk students
- Be prepared for anything.
- Conduct annual tabletop exercises, and update emergency action plan.
Looking Ahead

- Radiation Safety Pre-move Security Audit
- Closed Circuit Television campus-wide synchronization.
- Emergency Action Plan update with emphasis on first responder actions and evacuation procedures.
- Implement realistic lightning action plan for Bobby Dodd Football Stadium.
- Implement fully functional Emergency Operation Center.
- PLANNED test for GTENS.
- Plan for a new public safety facility & communications center on campus!
Keys to Success

- Combating Complacency
- Understanding Your Risk and Threat
- Collaboration and Relationships
- Planning, Training and Exercising
- Using incident command
- Building Managers “knowing” their Building
- Personal Responsibility
- Opt In and Subscribe (GTENS & SmartRad)
- Thinking beyond the last emergency
Questions

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