

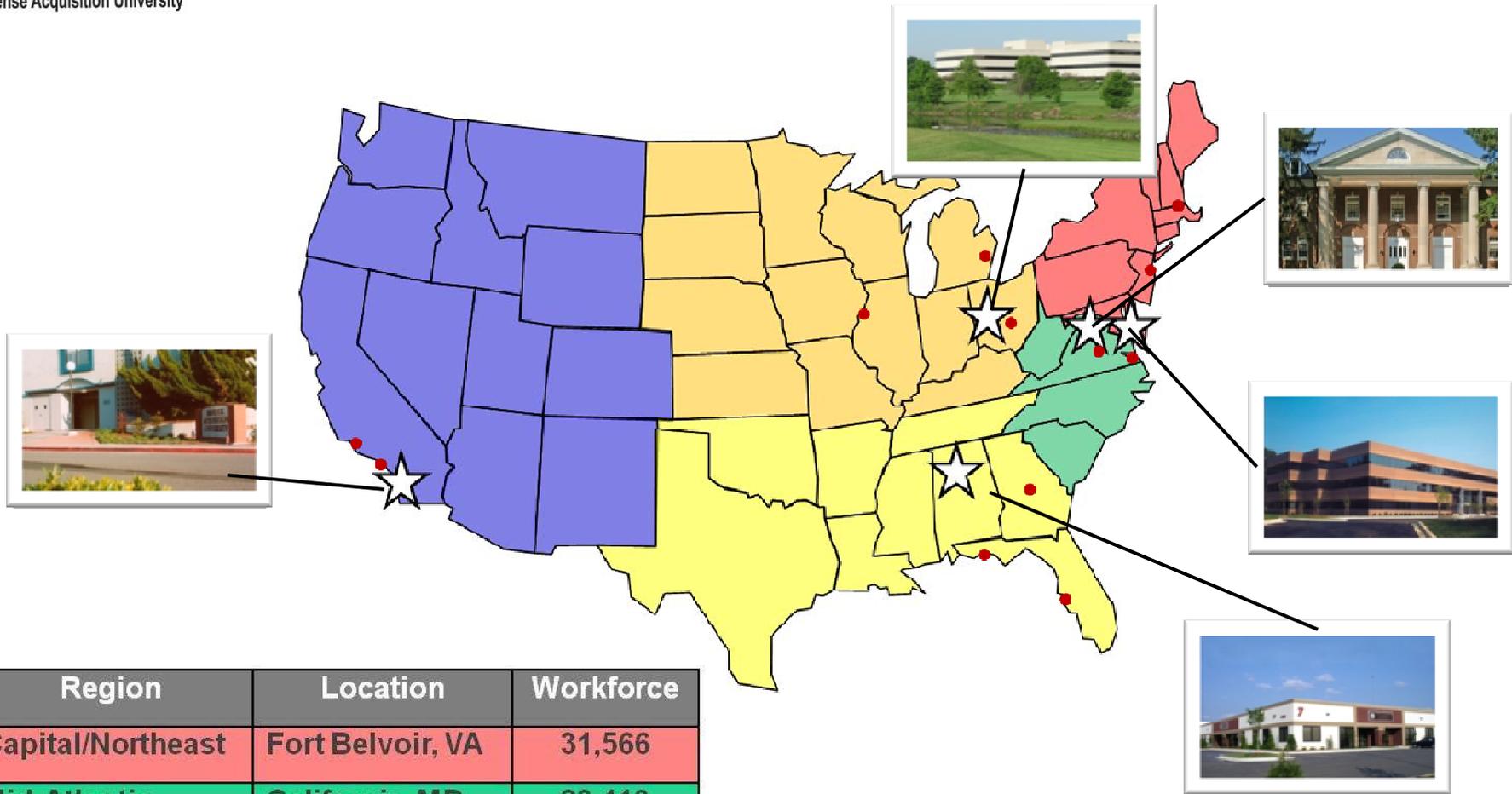


# Cyber Security Curriculum Development for Program Managers

Software Assurance Forum Panel Discussion  
10 March 2010

Brian Brodfuehrer  
Professor of Acquisition Management  
DAU/DSMC School of Program Managers  
[brian.brodfuehrer@dau.mil](mailto:brian.brodfuehrer@dau.mil)  
[www.dau.mil](http://www.dau.mil)

# DAU Overview



Region	Location	Workforce
Capital/Northeast	Fort Belvoir, VA	31,566
Mid-Atlantic	California, MD	23,110
Midwest	Kettering, OH	18,604
South	Huntsville, AL	28,360
West	San Diego, CA	25,465

## DAU Course Statistics

- ~ 100 Formal Training Courses
- 15 Functional areas, 4 experience levels
- ~110 Continuous Learning Modules
- PMT 401 is one of several executive courses**

***We are part of the community, not just a place to take classes.***



# PMT-401

## The Program Manager's Course

- Students are acquisition practitioners selected for potential to lead major acquisition programs
- Statutory requirement for top leadership of ACAT I and II programs
- Foundation of curriculum is case studies
  - Follows Harvard case development, facilitation approach, using dilemma and analytical cases
  - Draws real DoD PM experiences into the classroom
- Ten week, in-residence, acquisition immersion at Ft. Belvoir
- “Ten years experience in ten weeks”



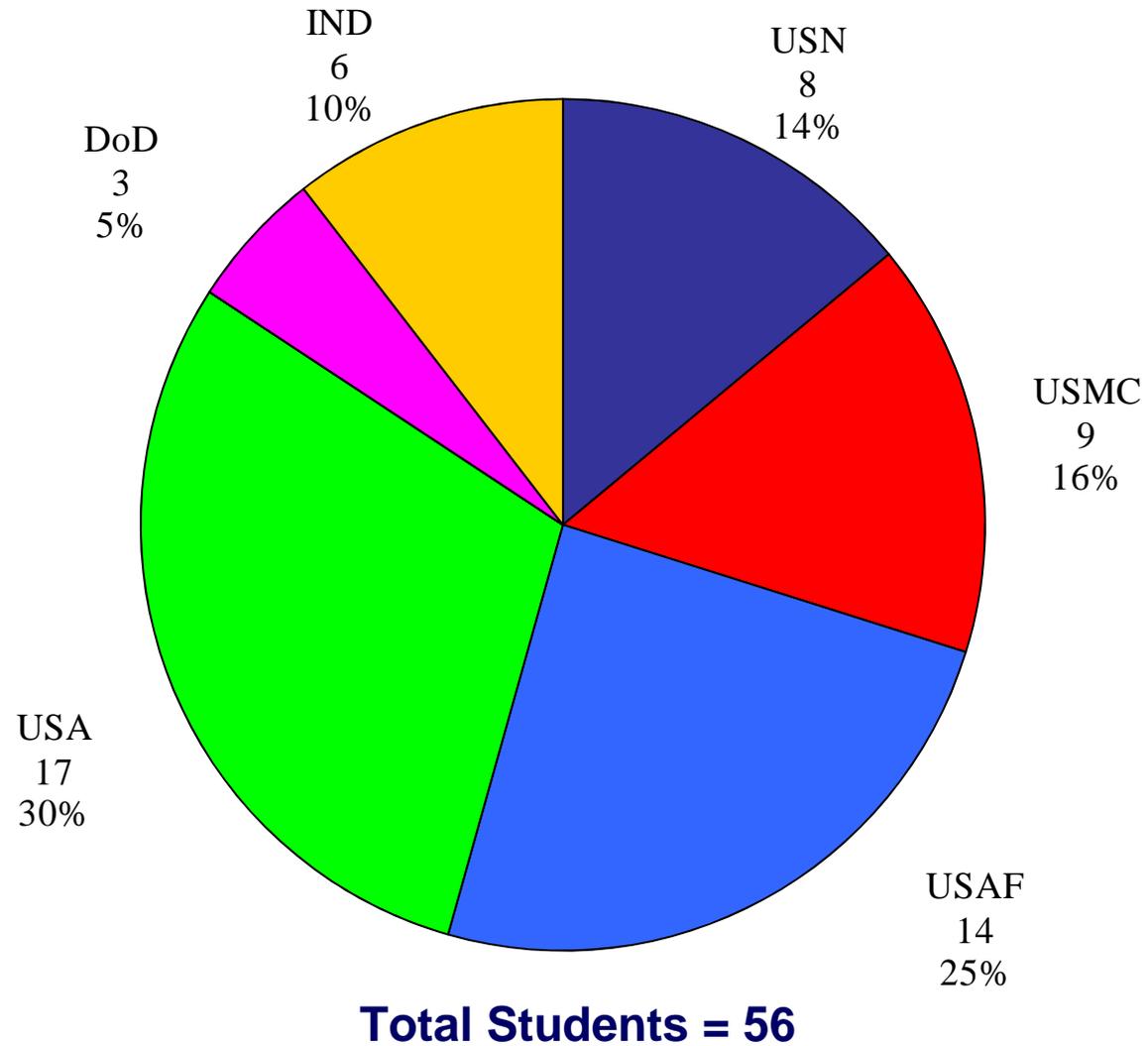
# PMT 401 Case Study Approach

- Draw real life experiences into the classroom
- Dilemma based – PM has no easy option
- Tell the story up to the decision point
- Provide the data for a spirited discussion amongst a group of talented peers
- Faculty facilitates, not a “sage on the stage”



# PMT 401 Student Affiliation

**10-01**





# A View From The PM Trenches 2010





# What do students want from case studies?

- Applicable – “Why should I invest time in this?”
  - Dilemmas they can see themselves facing
  - Information from others that have walked the path
  - Tools and skills they can use later
- Interesting (to read, analyze and discuss)
- Timely (pertinent, applicable, useable)
- Timeless (enduring, stands test of time)



# Greyhawk UAV Case Scenario

- Disguised case drawn from different scenarios
- Army LTC Banyan – PM for Greyhawk UAV Next Generation Electronics Upgrade
- Subcontractor discovers suspicious network activity
- Program is approaching a Milestone C decision
  - Past CDR – detailed designs done, initial testing started
  - Typical PM challenges exist: funding, international interest...
- Industry partner has concerns
- You (the student) are Banyan – what will you do?

# Greyhawk UAV Learning Points

- Describe the impact of having been attacked
- Evaluate changing role of Program Manager
- Assess risks
  - Network exploitation
  - Supply chain management
- Critically determine cyber related programmatic impacts
  - After the “Uh Oh!” - Emergency room medicine
  - Before the “Uh Oh!” – Preventative medicine
- Develop and defend their “post attack” plan
- Determine shared risk/responsibilities with DIB
- Identify key stakeholders in IA arena

# Closing

- My lessons
  - A lot going on – technology, policy, operationally
  - Hard to draw a “top ten for PM” from the community
  - Once drafted, lots of support from the community
- Looking forward
  - Case to be facilitated end of March
  - Also working on a seminar “Cyber Security for Program Managers”
  - Continue collaboration



# Questions?



# Backup

# FY10 Training - Program Management

