

TCOM Program Development Committee  
12th October 2013  
4:00 – 6:30 PM

Attending

Norman del Prado, Chair  
TCOM Program Coordinator  
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Walter Hanley, Small Business IT Specialist, Instructional Designer  
Owner config.sys; Microsoft Partner, Pacifica, CA  
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Ernest Lau, Security Network Engineer  
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Sam Zandi, Network Architect, CCIE, Senior Network Engineer, NetXperts  
Design security, data, voice and video infrastructure for large scale companies.  
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Roger Eric Lohmann, Emergency Preparedness Division Chief  
Department of Veterans Affairs, Office of Information Technology  
Manager, Information Systems Contingency and Disaster Recovery  
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Agenda

Status of course and lab development

- Completed
  - Cisco ASA TCOM 486
- In Progress
  - Upgrading 2111 lab for VOIP class

Potential new topics for program to reflect industry needs

- Immediate 2-4 years
  - Internship Program
  - CCNA Review/Preparation Exam (revive)
  - Linux (revive)
- Long term 3-5 years
  - Network Design course
  - Project Management course

## Meeting Notes

### Status of Course and Lab Development

#### Subjects Completed

- Cisco ASA
  - 2111 Lab topology updated for ASA
  - Beta test ASA course content with 486 students completed
    - Summative Assessment completed

#### Subjects in Progress

- VoIP Course
  - VoIP Lab 2111
    - Completion 90%
  - VoIP Curriculum
    - Completion 80%
  - On track for completion Spring 2014
- Virtualization Course
  - VM Ware/Hyper-V
    - Research Alternative Technologies/Market Shares
      - Completed 100%
  - VM Ware
    - Research Software & VM Academy
      - Completion 50%

### Potential New Topics

#### Immediate (2-4 years)

- Internship Program
  - Solution for students of limited or no IT work experience
    - Employers value students who complete internships
  - Keystone experience of Network Engineering Program
  - "Learning Agreement"
  - Requirement of a coordinator to manage and maintain internships
  - Sam Zandi assist Norman del Prado in effecting internships
  - Potential for small-to-medium business participation
- CCNA Certification Prep Course
  - Certification required by most all employers/agencies
  - Revive
  - Offer once every academic year
- Linux Course
  - Linux skills increasingly a prerequisite of employment
  - Revive
    - One course
  - Red Hat software
  - Align with Linux Pro/CompTIA Linux Certification

Long-term (3-5 years)

- Network Design Course
  - Portfolio-building capstone course
  - Align with Cisco Design CCDA standards
- Technical Project Management Course
  - Increasingly students report employers requests to manage full-system upgrades and geographical moves of IT infrastructure
  - Based on PMP Certification & industry standards
- Data Center
  - Industry trend requiring network engineers to design, assist and implement with construction teams