



## Useful Knowledge of Next Generation 911 Applications, Technologies, and Architectures

**Course Objective:** To help key decision makers better understand the applications, technologies, equipment, vendors, and architectures behind Next Generation 911 services and equipment to assist in their planning and evaluation process as they migrate their Public Safety Answer Point (PSAP) systems to Next Gen 911.

- I. The Evolving World of Communications Technology
  - a. Conventional Telephony and CAMA Trunking
  - b. Mobility Services
    - i. Cellular Telephony
    - ii. Cellular Data Services
    - iii. Cellular Messaging (SMS/Text Messaging, MMS)
    - iv. Voice over Internet Protocol Service
    - v. Social Networks: Linked In, Facebook, and Twitter
  - c. Comparing Data and Voice Networks
  - d. Voice over Internet Protocol
    - i. VoIP Services (e.g. Vonage, Skype, and MagicJack)
    - ii. Session Initiation Protocol (SIP) for VoIP Services
  
- II. Next Generation 911 Architectures
  - a. Next Generation 911 Vocabulary
  - b. Network Based Services
    - i. Network Architecture
    - ii. Vendor Offers
  - c. Premises Based Solutions
    - i. Network Architecture
    - ii. Vendor Offers
  - d. Hybrid Architectures
    - i. Network Architecture
    - ii. Vendor Offers
  - e. Gateways and Interim Solutions

- III. Standards and Regulatory Status
  - a. Proposed Standards
    - i. The standards process for Next Generation 911
    - ii. The role of APCO and NENA in developing Standards
    - iii. Federal agencies and Next Generation 911 Standards
  - b. Major vendors involved in standards recommendations
  - c. Key standards proposals in circulation
  - d. Current Regulatory Environment
  - e. Likely Directions for Regulation
  
- IV. Summary
  
- V. Open Q&A
  
- VI. Team Planning Breakouts

Schedule:

Registration and Coffee 0800-0830

1<sup>st</sup> Morning Session 0830-1030

Morning Break 1030-1045

2<sup>nd</sup> Morning Session 1045-1200

Luncheon 1200-1300

Afternoon Session 1300-1500

Beverage service & Breakouts 1500-1600