

Managing Next Generation Mission Critical Communications

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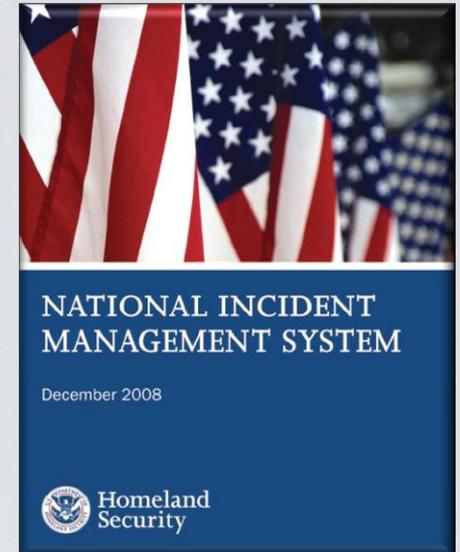
Overview

- The Common Operating Picture (COP)
- Mission Critical Communications
- Resilience Through Information Assurance

“Emergency management and incident response activities rely on communications and information systems that provide a common operating picture to all command and coordination sites.” - NIMS

Common Operating Picture

- COP is defined within NIMS
- Critical Communications and Information Management Concept
- Provides standard incident overview
- Fosters common situation awareness



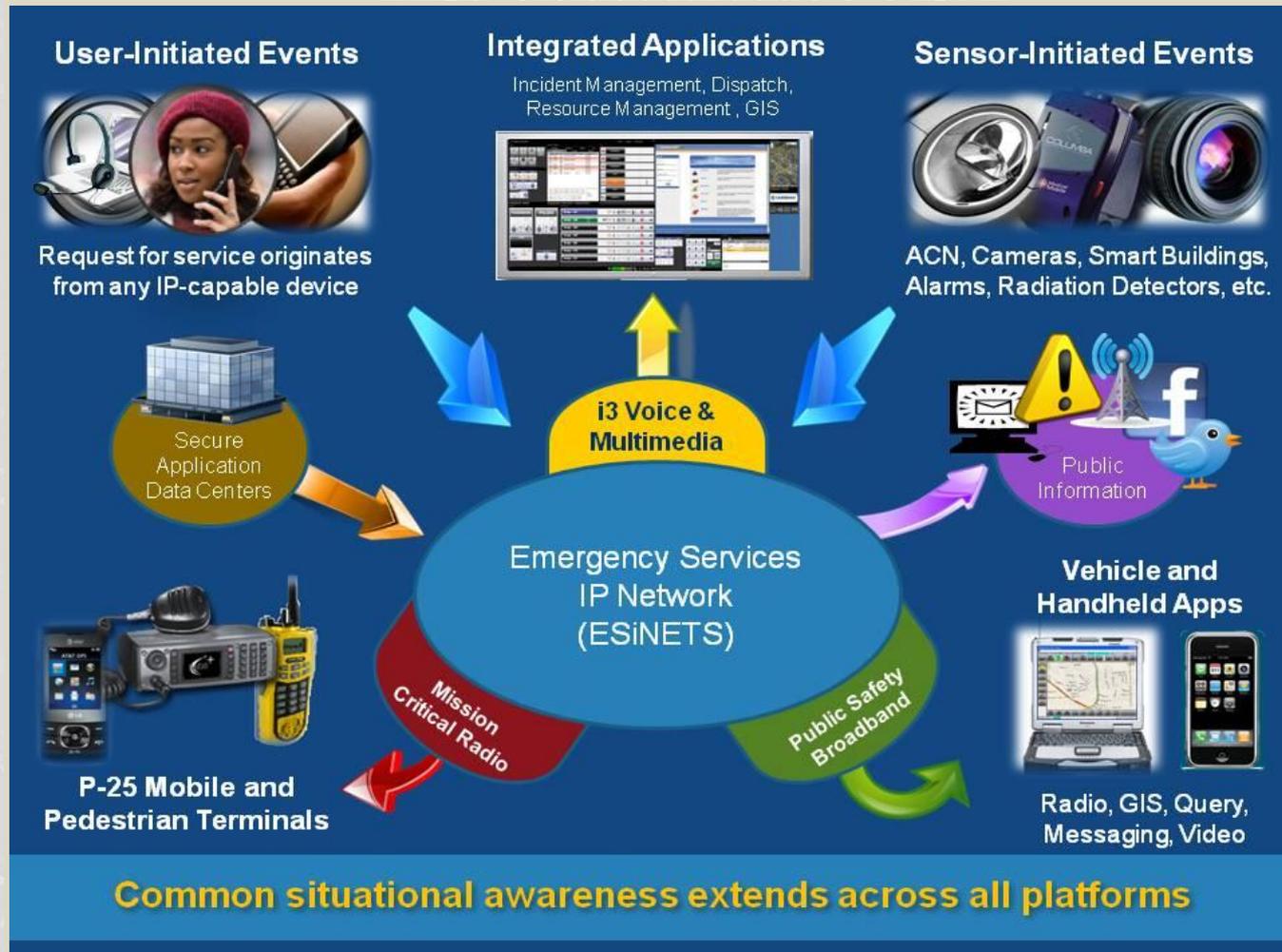
Common Operating Picture

- Established and maintained for all appropriate parties; many consumers
- Information must be updated continually
- Consistent information for all personnel engaged

Mission Critical Communications

- Enable information flow supporting situational awareness
- Include E911 and console telephony, notification solutions, radio & broadband
- Characteristics include:
 - Interoperable
 - Reliable, Scalable and Portable
 - Resilient and Redundant

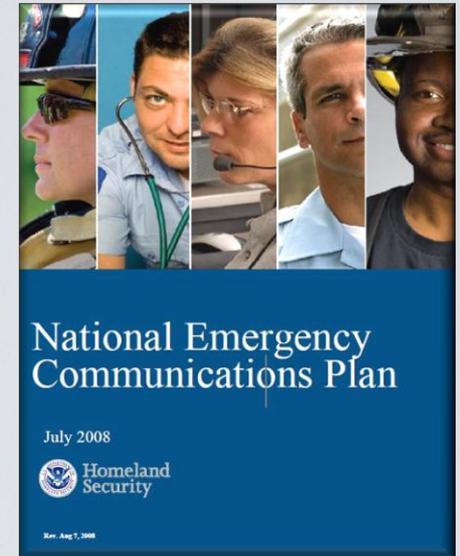
Mission Critical Communications



Information Assurance

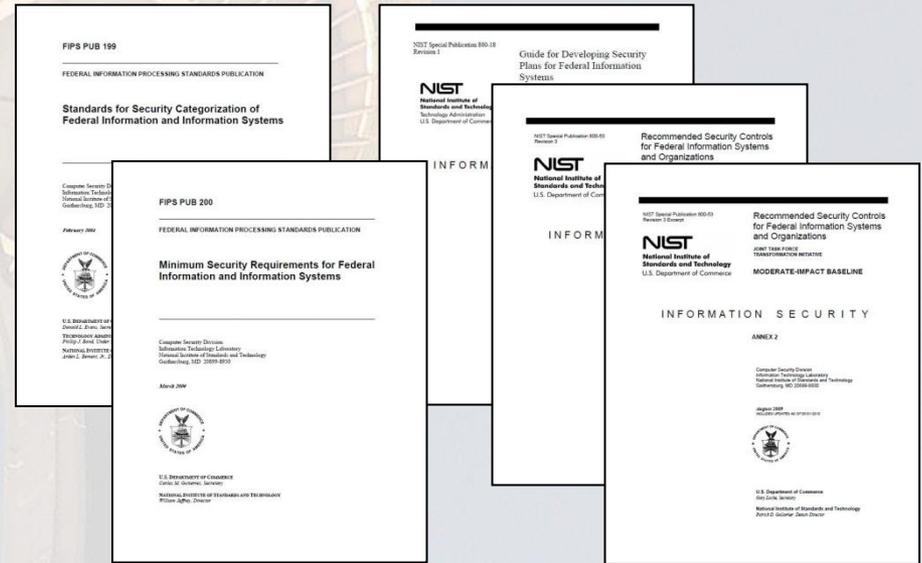
- Goal: Communications Continuity
- Gap highlighted in the 2008 National Emergency Communications Plan

“Few agencies conduct communications infrastructure threat and vulnerability assessments as part of their emergency communications planning activities”
– NECP



Information Assurance

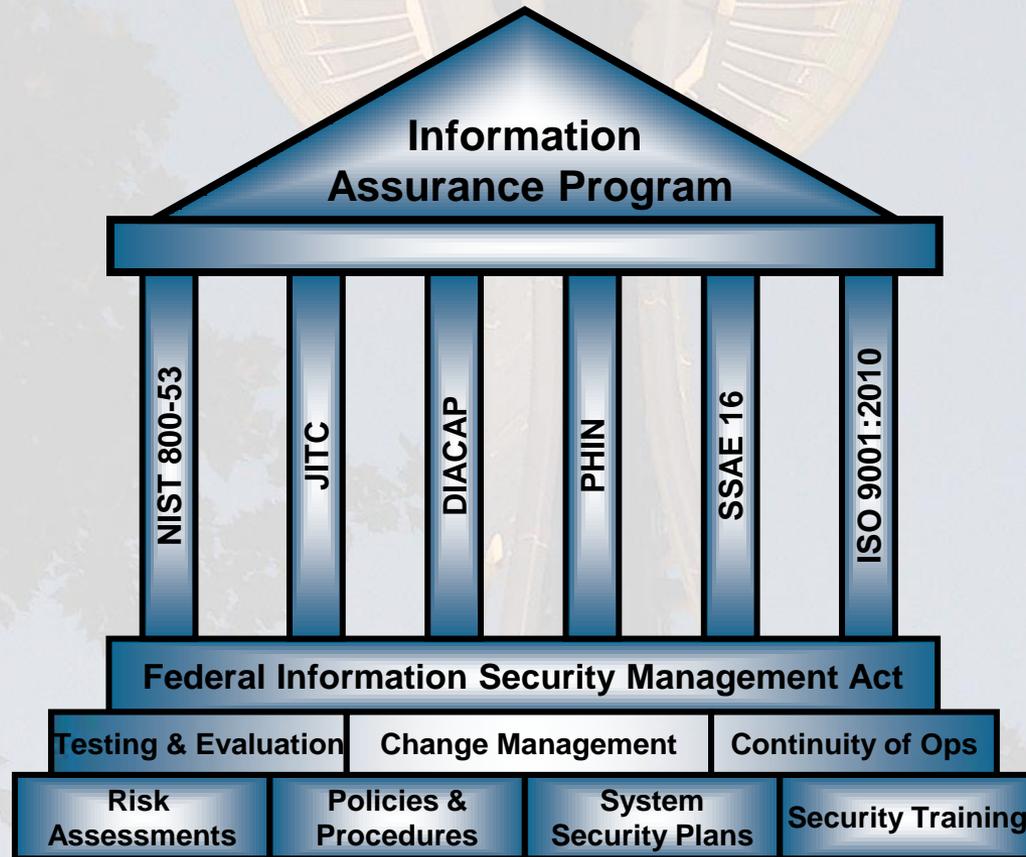
- Why is it important?
 - Confidentiality
 - Integrity
 - Availability



- Recommendation... Identify and work with industry partners possessing tangible information assurance experience

Information Assurance

- What would this experience look like?



Summary

- Successful crisis and emergency operations demand a COP
- Critical communications systems are vital to developing, maintaining and sharing the COP
- Information assurance is vital

Thank You!

Questions?

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