

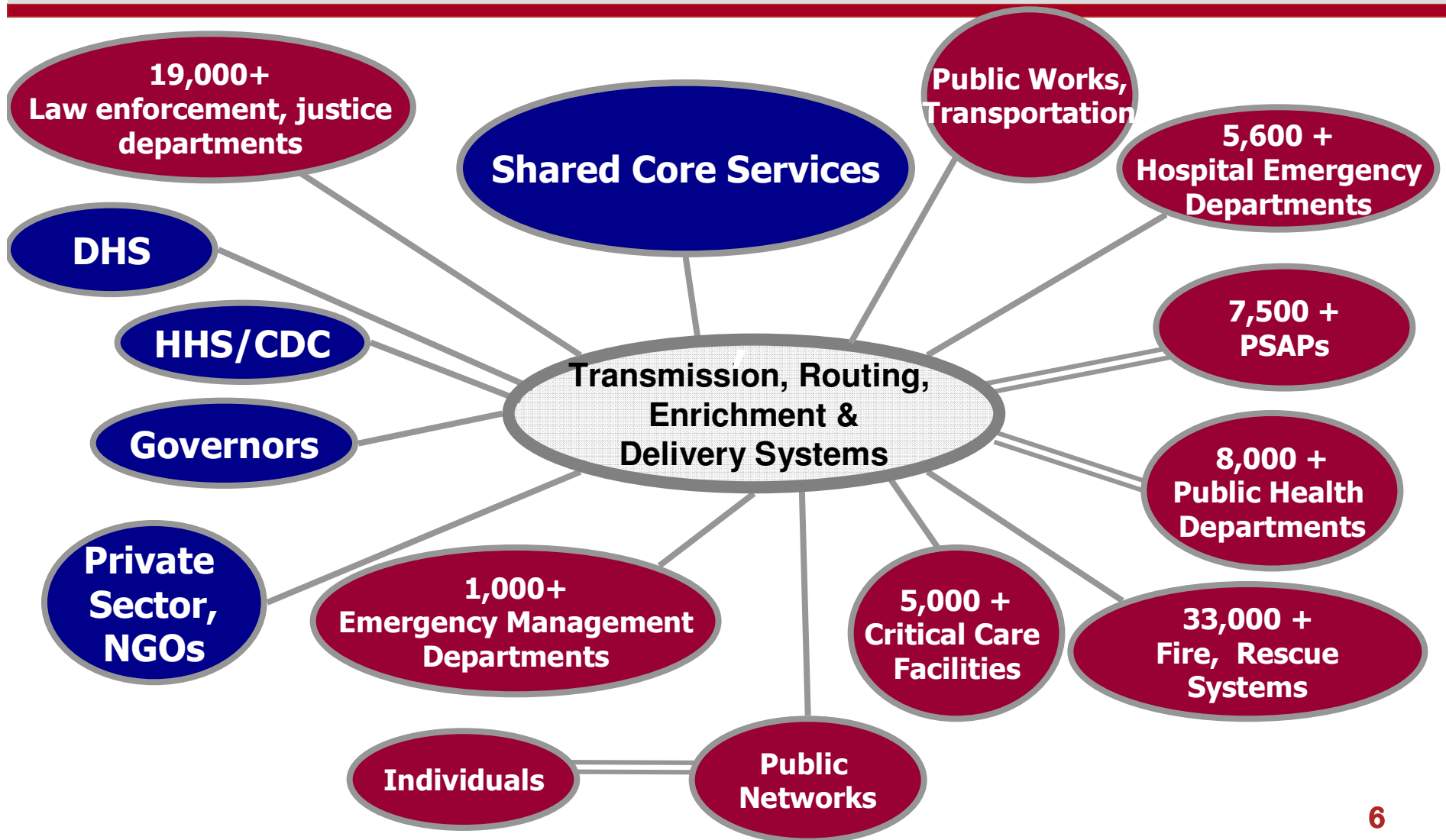
Emergency Communications and Interoperability

David Aylward
New America Foundation
October 26, 2006

COMCARE
EMERGENCY RESPONSE ALLIANCE

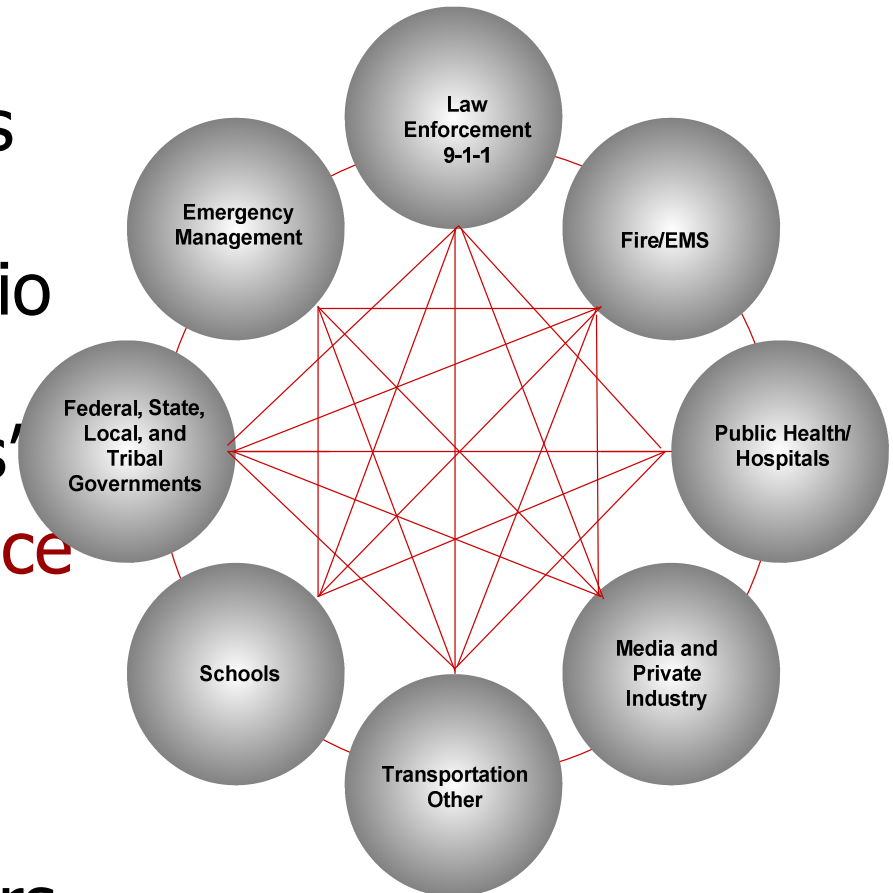
1701 K Street NW, 4th Floor
Washington DC 20006
(202) 429-0574

Emergency Universe: “Enterprise” without an Owner



Emergency Communications Today's Challenges

- 100,000+ emergency agencies; 100K businesses
- No comprehensive infrastructure; one-off radio and IT
- New meaning for "Balkans"
- **Govt focus: only about voice or intelligence**
- Few standards
- No shared capabilities
- And even worse in disasters



Top Practitioner Requirements

- Radio operability and interoperability
- Inter-organizational messaging
- Public warning: data to all systems that deliver to public
- Basic situational awareness
 - and
- Knock down walls
- Why can't I have . . . ? Compare to commercial

Also Desperately Need Solutions for:

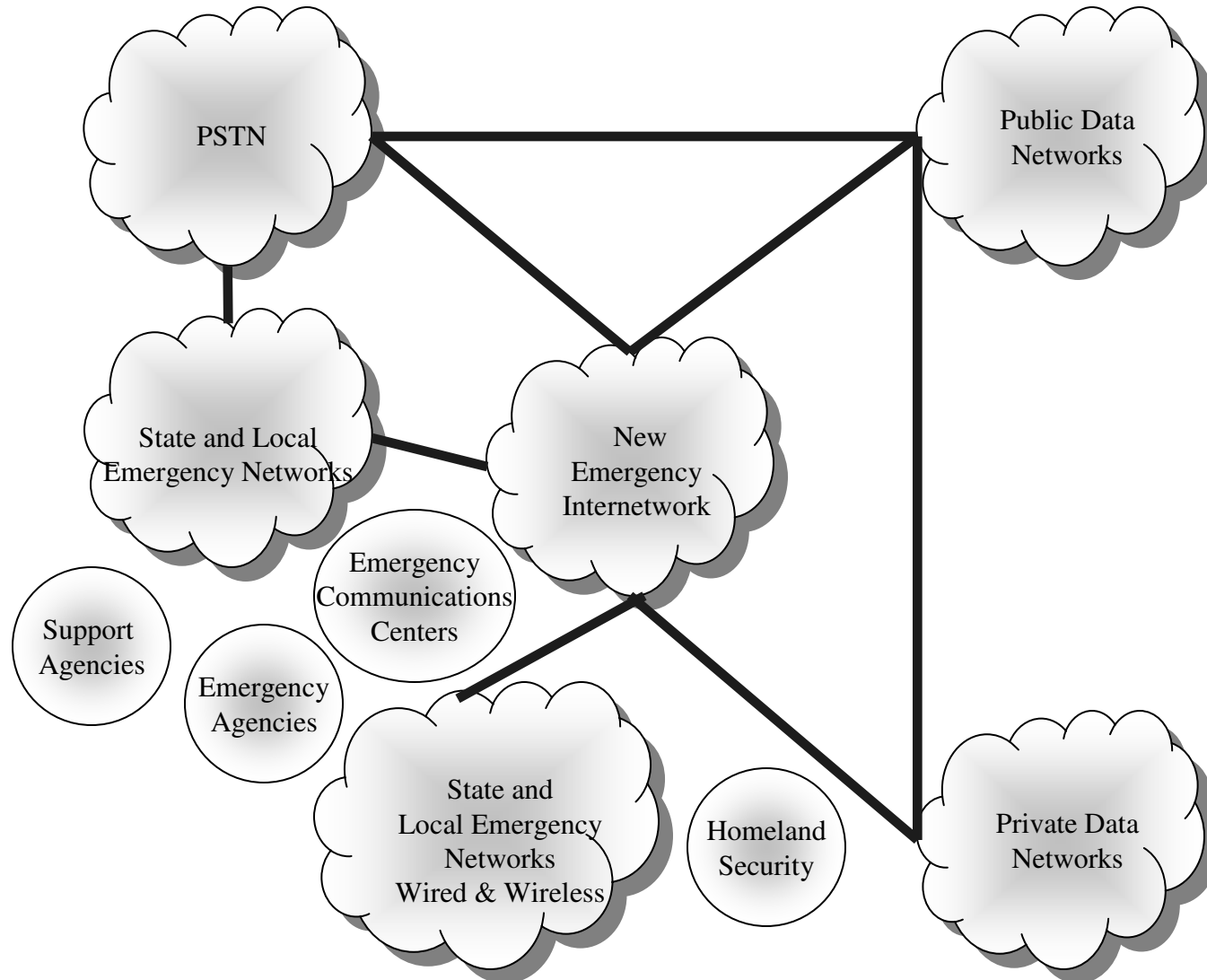
- Broad band wireless
- Sit. awareness: agencies and businesses
- Disasters: resource management
- Intelligence and information sharing among agencies' data bases
- Patient/victim encounters
- Accept data from private sector sources

Interoperability is Not (Or Not Just)

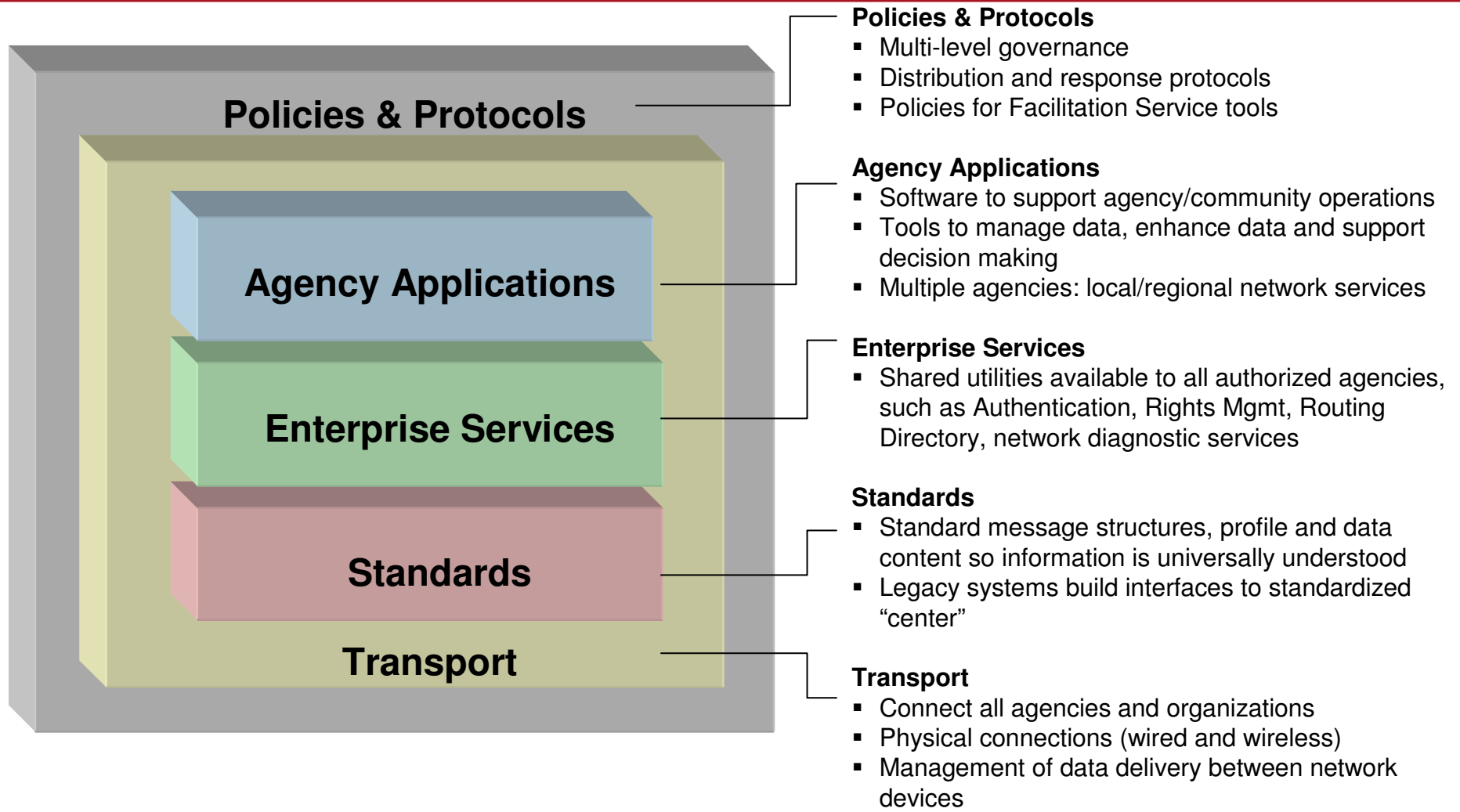
- Talking, with or without lots of new radios
- A secure government website
- A proprietary web application with passwords
- Searching intelligence data bases
- Huge systems integration contracts

NRIC VII Focus Group 1d

Future Internetwork



Components of Interoperability



Something New is Happening

- NRIC VII Focus Groups 1b and 1d -- 2005
- NENA Next Generation 9-1-1 – 2005-06
- Aspen “Convergence and the Safety Enterprise”: 2006
- Cyren Call and traditional public safety support for it
- Peha Paper on radios

Then and Now

- Local mgt/governance
- Local agency network
- Voice
- On scene
- “Public safety”
- Agencies
- One-off
- Safety v. commercial
- Local response control
- Agency cost
- National/regional
- Shared emer. network
- Multi-media
- All sources of info
- “Emergency response”
- Organizations (+private)
- COTS/standards
- Share with commercial
- Local response control
- Total cost of ownership