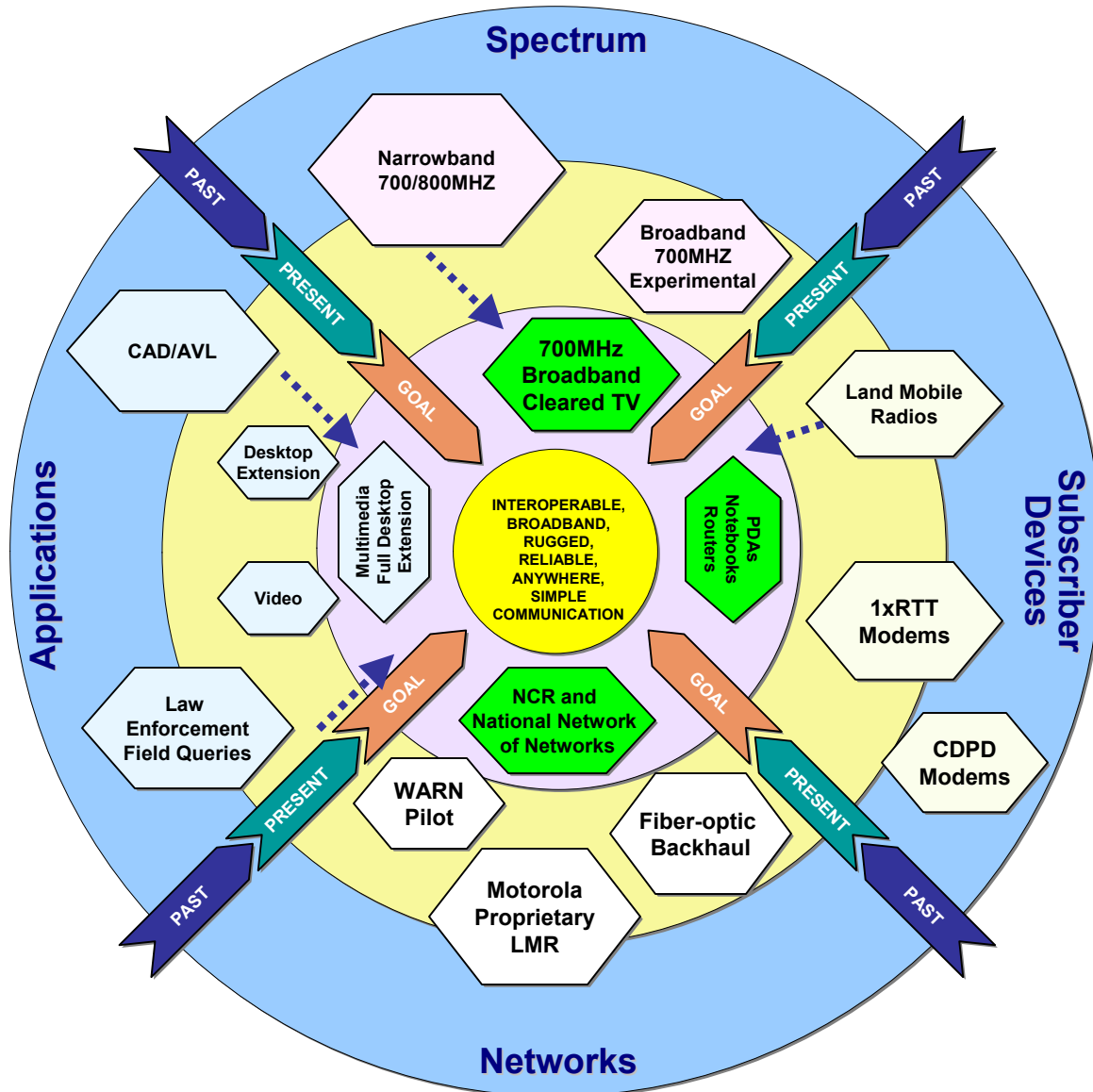




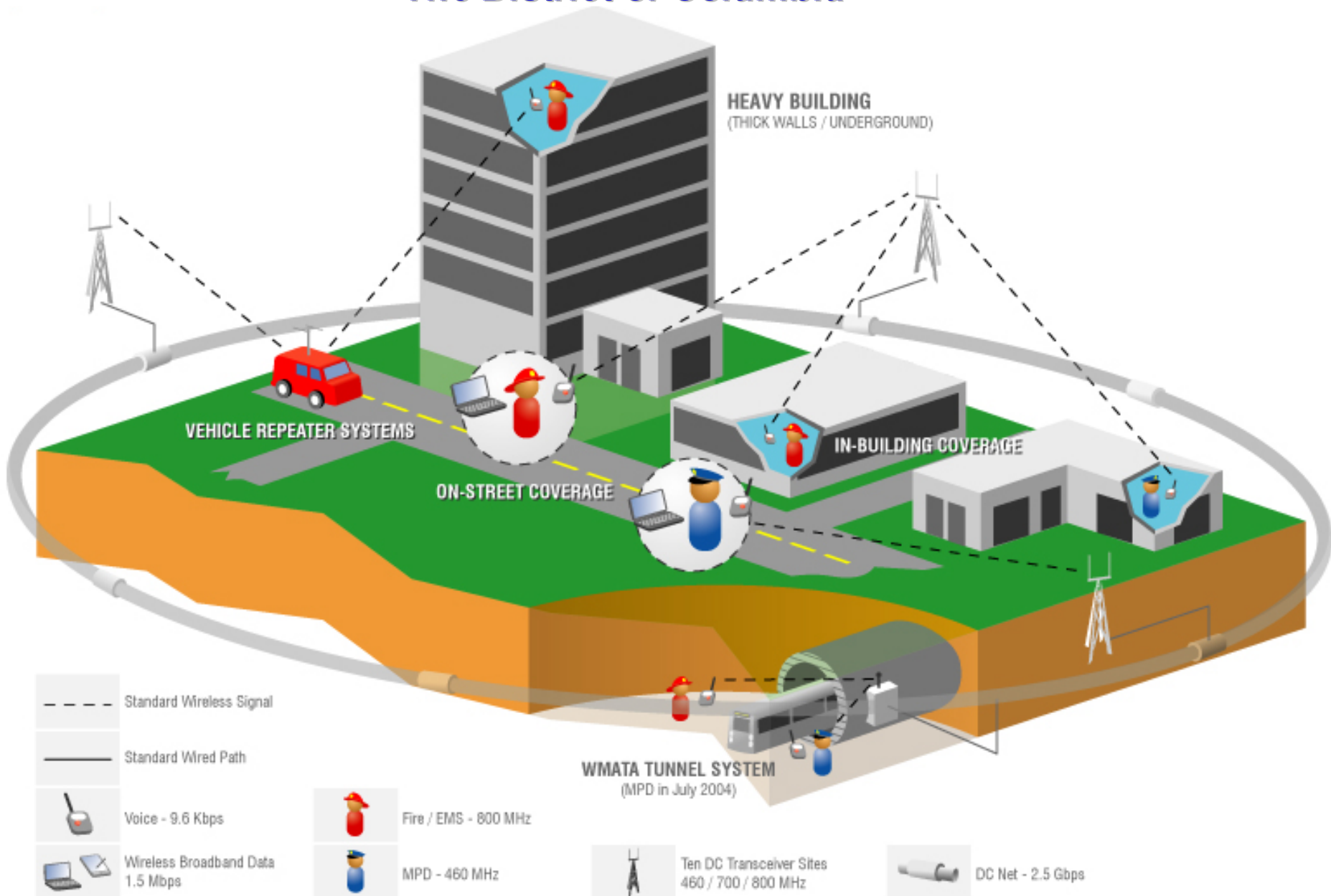
Public Safety Communications in the Nation's Capitol

***Robert LeGrande, II.
Former Chief Technology Officer
District of Columbia Government
President and CEO
LeGrande Technical and Social Services, llc***

Established an Interoperable Communications Vision for The District of Columbia



Implemented the Interoperable Communications Vision in The District of Columbia

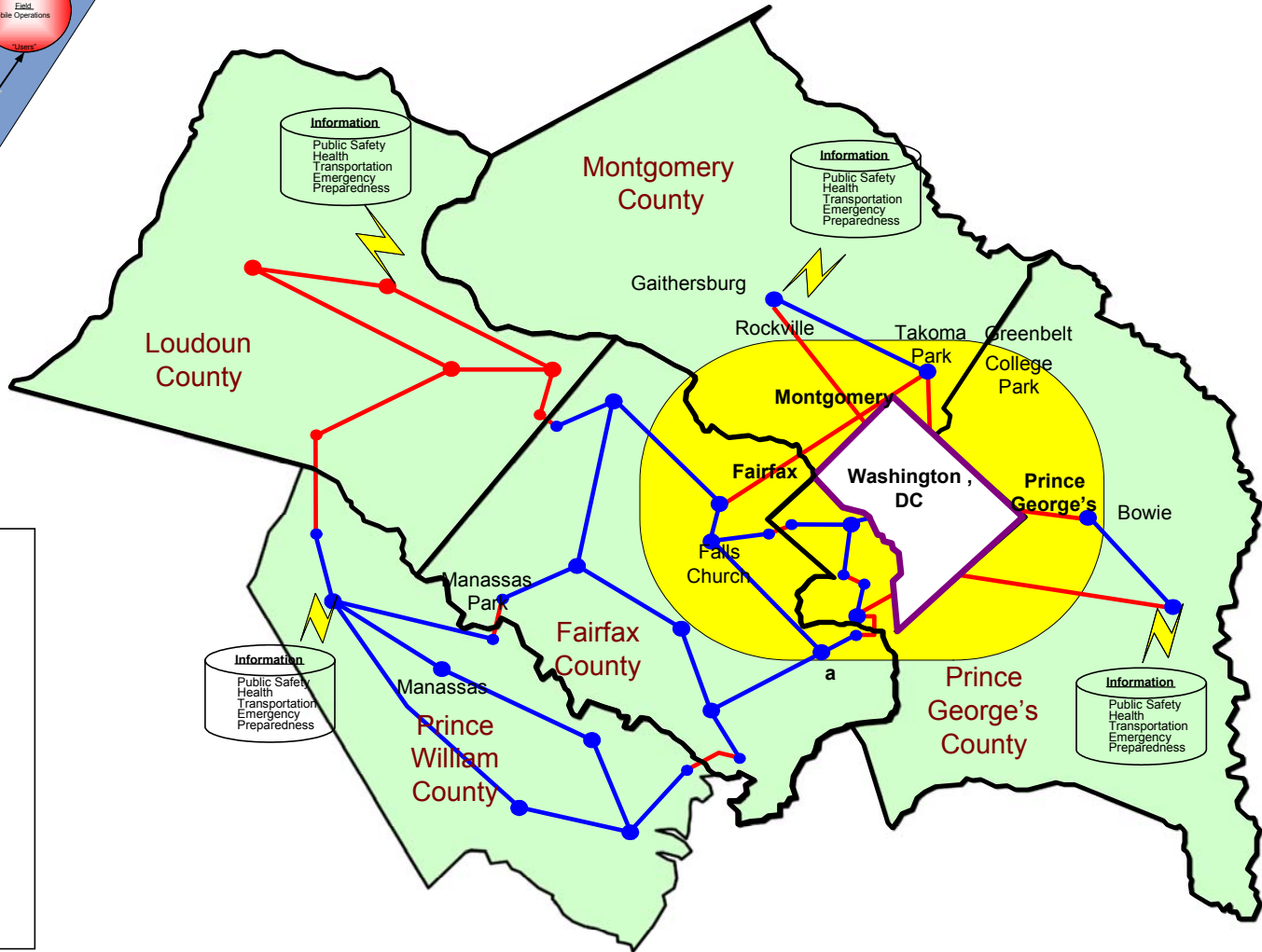
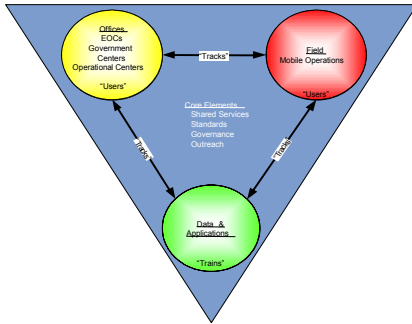


***Implemented the Nation's first 700MHz
City-wide wireless broadband network***



***City-Wide Public Safety
Wireless Broadband Network***

Established a Comprehensive Interoperability Communications Plan for The National Capitol Region



LEGEND	
	Existing Fiber Connected I-Net Site or Hub
	Candidate 1 I-Net Site
	Existing I-Net Fiber
	Candidate 1 I-Net Fiber
	Broadband Wireless Phase 1
	Broadband Wireless Phase 2
	Information
	Broadband Wireless Future Phases

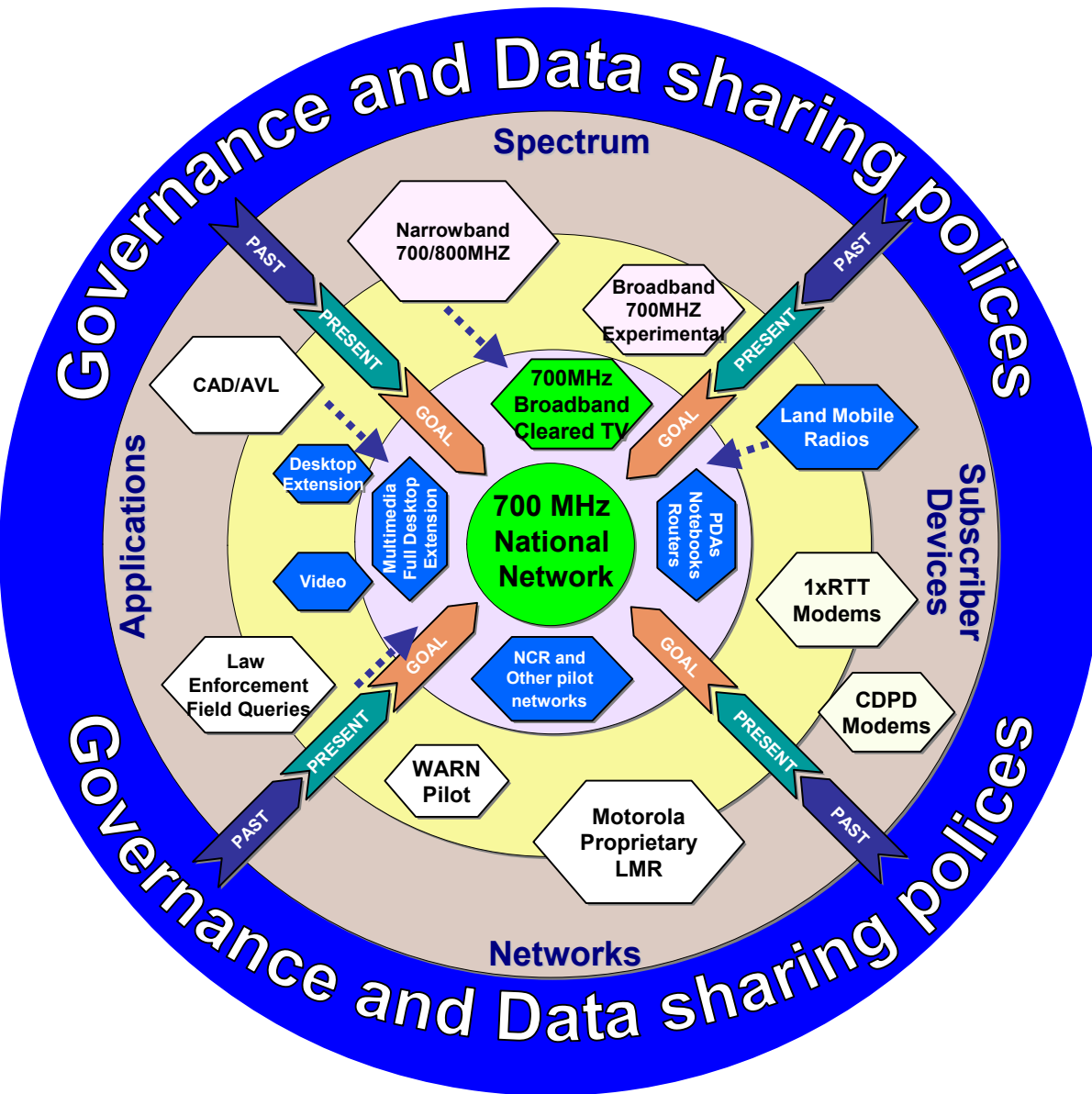
Implemented an fully Operational Wireless Broadband Network

- RWBN: Regional broadband network(s) with seamless interoperability
 - Waiver to operate broadband in 700 MHz public safety data band (2x1.25 MHz)
 - Broadband allowance in pending 700 MHz Region 20 plan
 - Clear TV spectrum due to LP-TV
 - Contract awarded in February 2007 to Lucent Technologies
 - First phase build-out in 1H07, multi-year options, IDIQ
 - Standardized 1xEVDO, Rev A
 - Frequency reuse on every site
 - Projecting ~100 sites to cover 2,500 mi²
 - Peak speeds of nearly 5 Mbps with only one 1.25 MHz channel pair region-wide
 - PC Cards, AVL Modems, PDAs, and embedded modems incl. in contract
 - Emergency deployable solution
 - Contract awarded to Alcatel-Lucent in February 2007
 - System testing and sites on air in October 2007
 - Contract rider for CA, AZ, MD, and VA



Areas we need to develop while the National Network is being built

Areas (Blue)



➤ Develop Governance and data sharing strategies, polices, requirements and procedures

➤ Integration between LMR and Broadband

➤ PS broadband device development

➤ Mature existing applications for a broadband world

➤ Where possible, leverage 3G fixed and emergency deployable networks that will later become apart of the national network

Summary

- The FCC made the right decision for public safety (PS) in mandating the establishment of a nation-wide 700 MHz public safety broadband network
- We should leverage existing private, commercial, and emergency deployable 3G networks to develop governance and data sharing polices, integrate our non-interoperable data applications, develop and test LMR migration paths, and develop and test new voice, video, and data devices to ensure they are First Responder ready when the national network is deployed.

**We must act now to prepare for the national network
and to better protect our citizens!**