



Federal Communications Commission Public Safety and Homeland Security Bureau



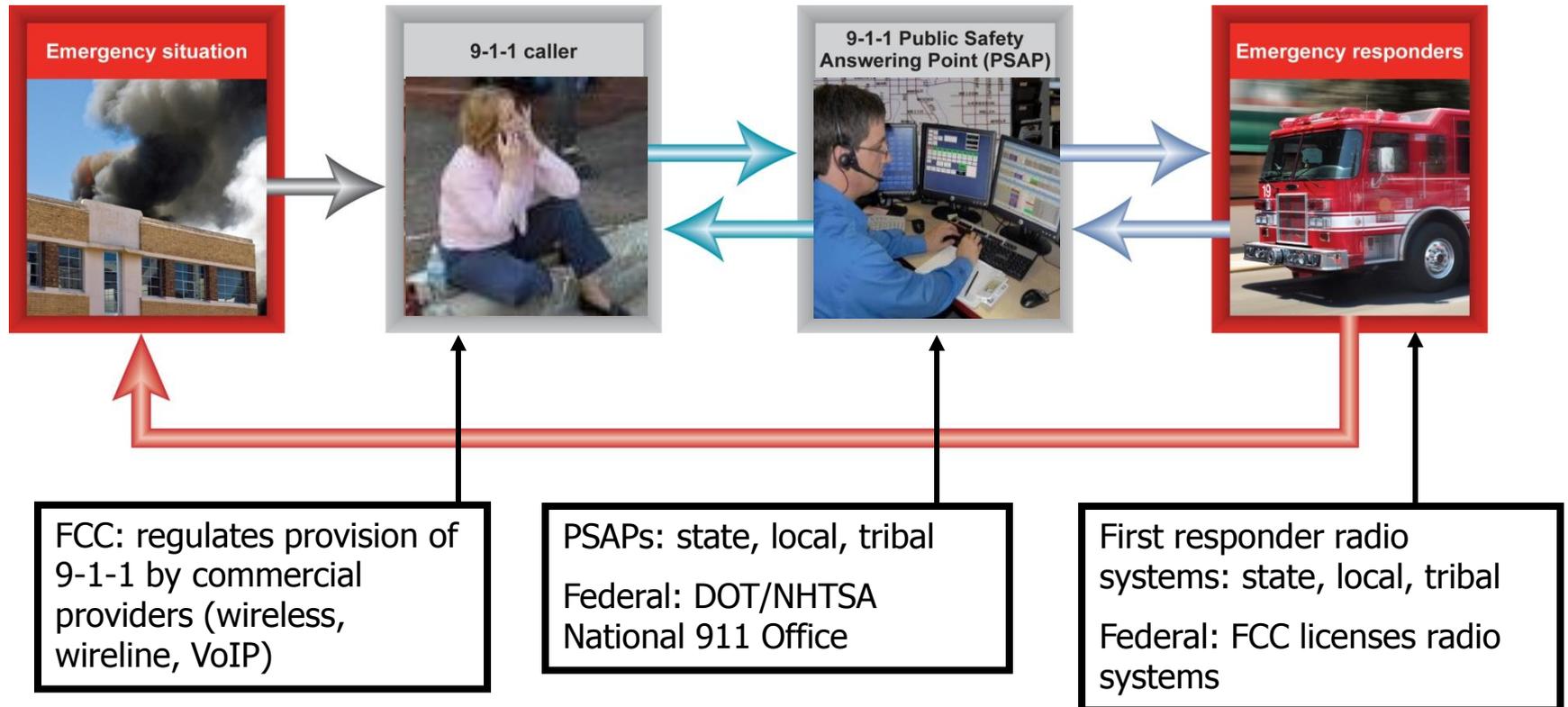
The FCC and Next Generation 9-1-1

National States Geographic Information Committee
Mid-Year Meeting
Annapolis, Maryland
February 27, 2012

David L. Furth
Deputy Bureau Chief
Public Safety and Homeland Security Bureau, FCC



FCC Role in Emergency Communications





From Legacy 9-1-1 to Next Generation 9-1-1

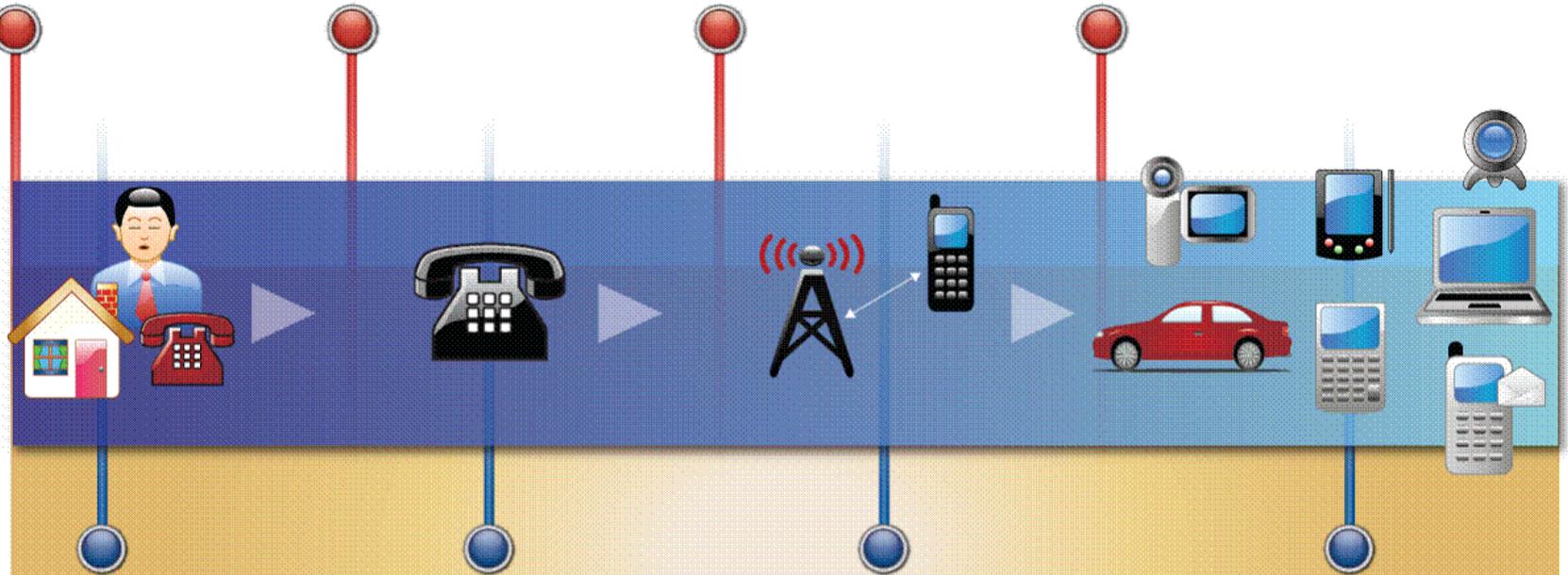


1968

1980's

1990's

2000's



Basic 9-1-1

- Copper Land Line
- Analog Technology

Enhanced 9-1-1

- ANI/ALI

Wireless E9-1-1

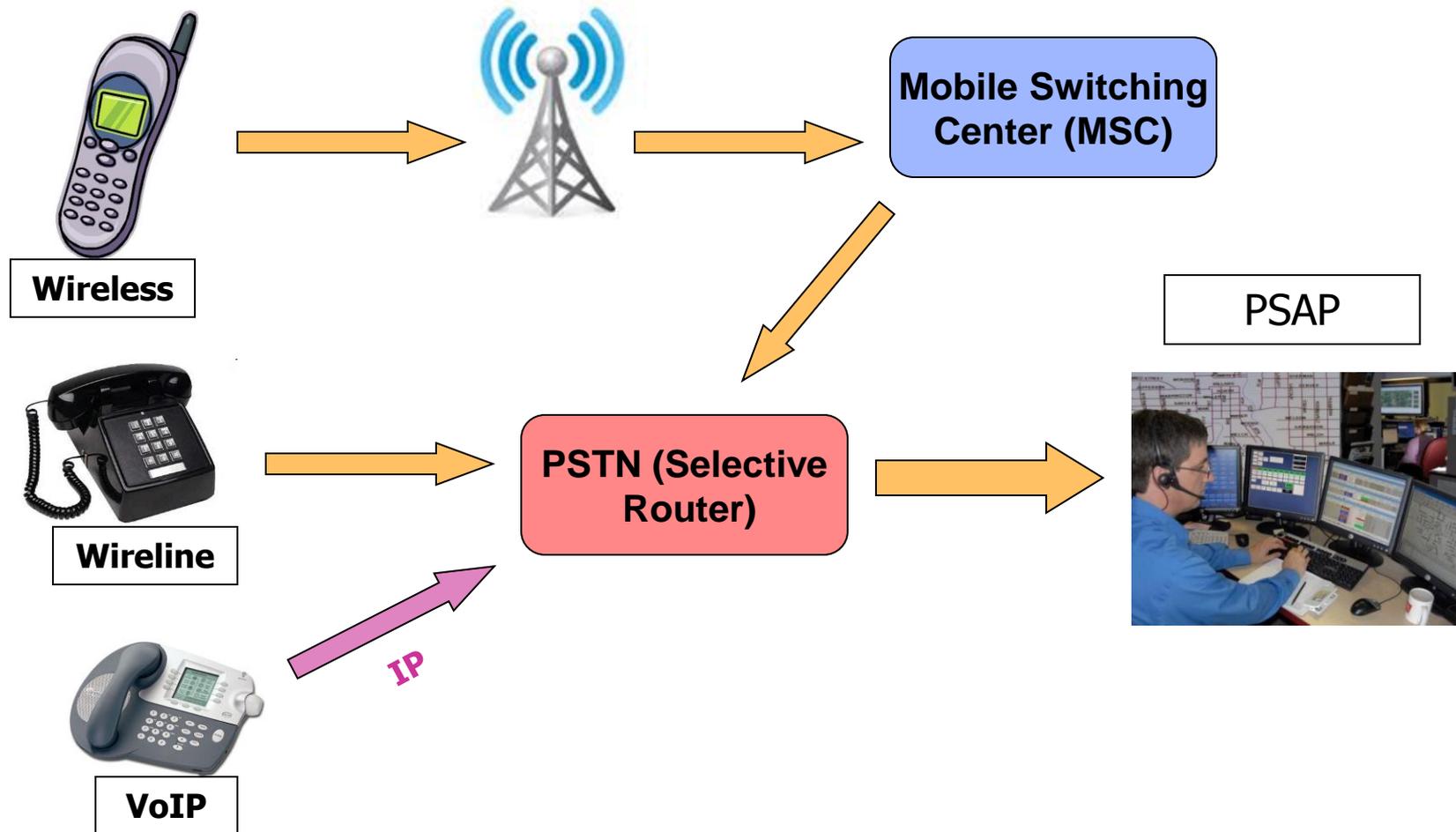
- Phase I
- Phase II



Voice over IP, Images, Video, Text, Telematics



Legacy 9-1-1 Architecture





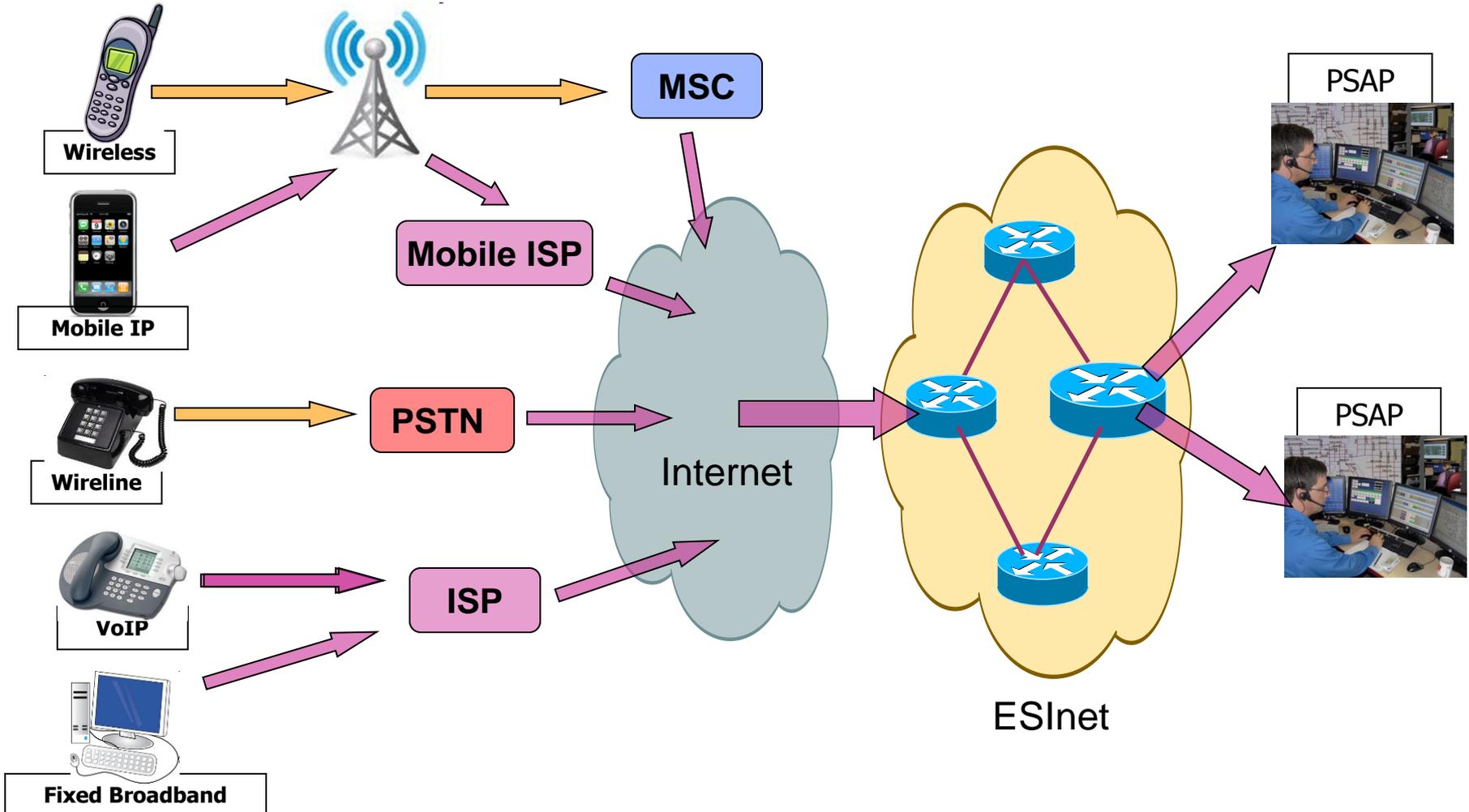
Next Generation 9-1-1



- NG9-1-1 will provide existing and new 9-1-1 services via IP networks rather than via the legacy switched telephone network
- Over time, NG9-1-1 will fully replace the existing 9-1-1 system, but the transition will take time and will not be uniform
- With careful planning and coordination at all levels of government and in the private sector, the transition can be shortened and transition costs reduced



NG9-1-1 Architecture

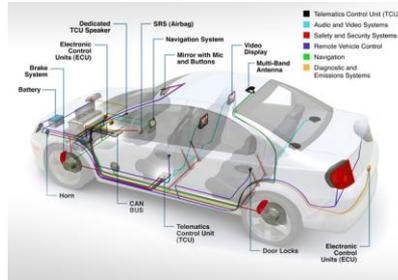




Potential NG911 Applications



Voice



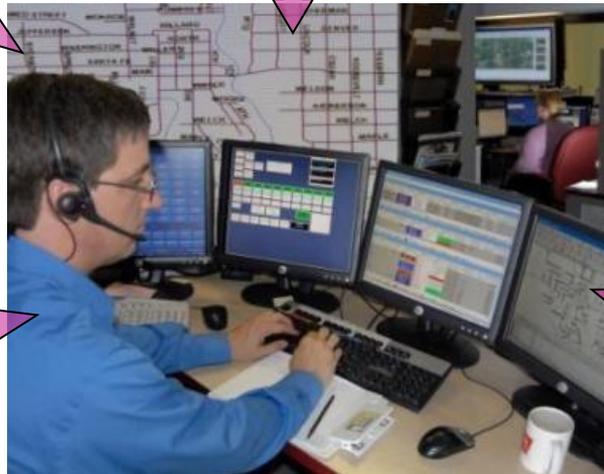
Data (e.g. telematics)



Photos



Text



Video



FCC NG9-1-1 Five-Step Plan



- Develop location accuracy mechanisms for NG9-1-1 -- July 2011 Further Notice of Proposed Rulemaking (FNPRM)
- Enable consumers to send text, photos, and videos to PSAPs – September 2011 Notice of Proposed Rulemaking (NPRM)
- Develop an NG9-1-1 funding model – September 2011 FCC Cost Study
- Facilitate the completion and implementation of NG9-1-1 technical standards -- Ongoing
- Work with states and other stakeholders to develop an NG9-1-1 governance framework -- Ongoing



For More Information



- Contact Information
 - Telephone: (202) 418-0632
 - E-mail: David.Furth@fcc.gov
- FCC Website – www.fcc.gov
- Public Safety and Homeland Security Bureau Website – www.fcc.gov/pshs
- NHTSA National 911 Office – www.911.gov