



# FirstNet™



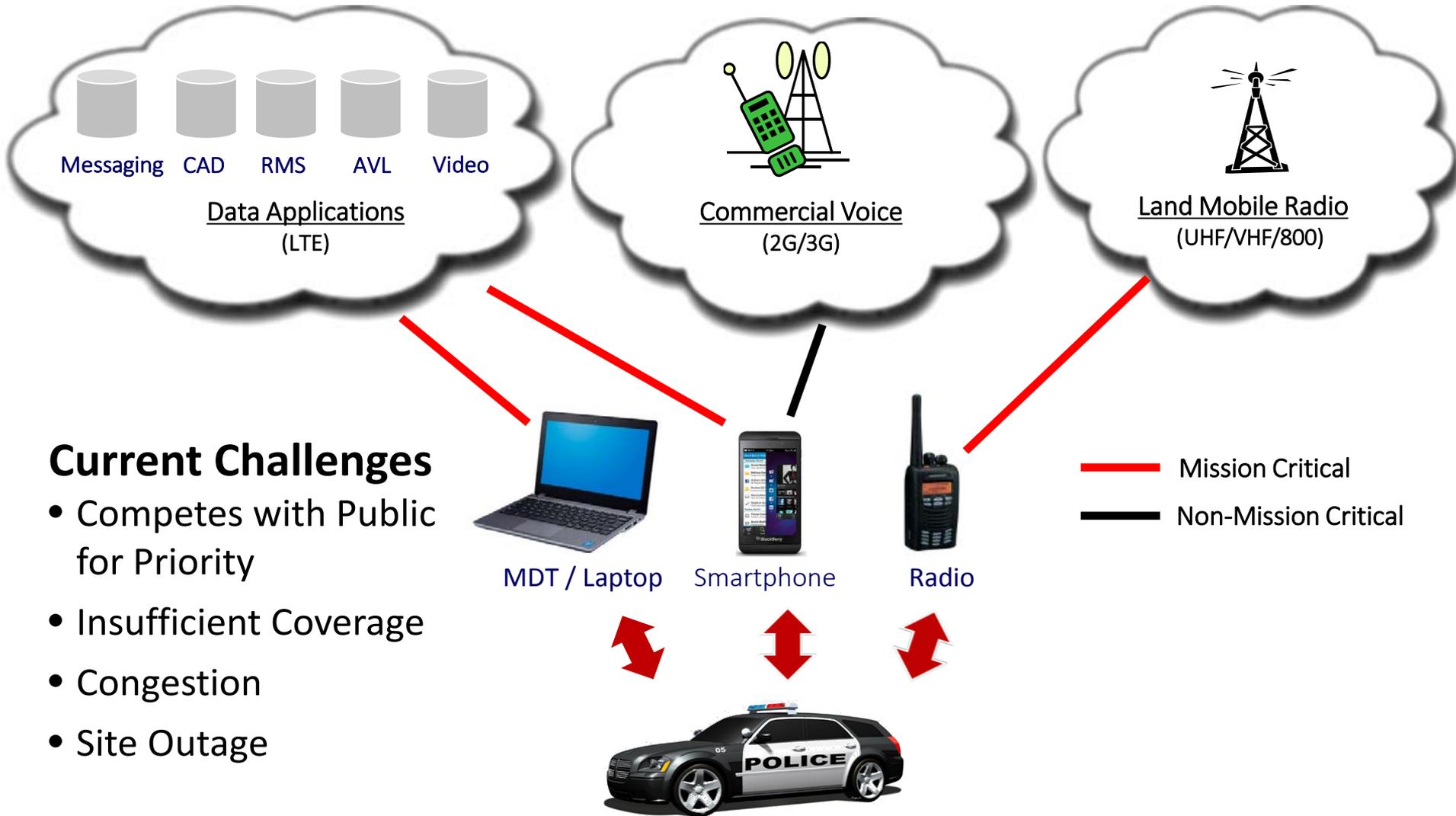
## Migrating to FirstNet

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# Short Term Goal: Make Data Mission Critical For Public Safety



## Current Challenges

- Competes with Public for Priority
- Insufficient Coverage
- Congestion
- Site Outage

- **Devices**
- **Applications**
- **Services**
- **Network**
  - Wireless Carrier
  - FirstNet
  - Public Safety Enterprise Network
- **Over-the-Top/Network Integrated**



Smartphones



Tablets



MDT / Laptops



USB Modems



In-Vehicle Routers



Specialized Devices

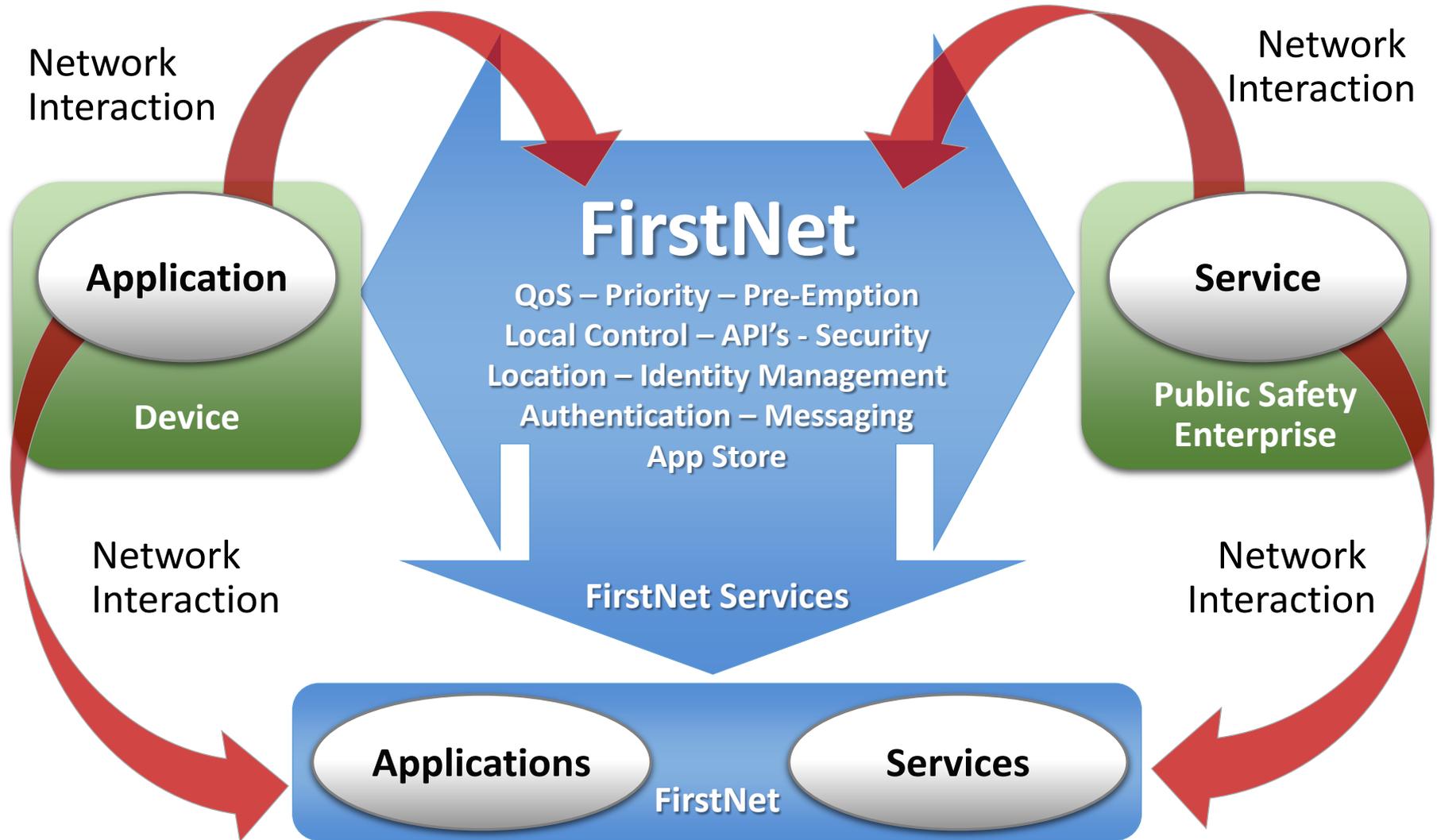


- This is the fundamental difference between the services you may purchase today and services that will be offered by FirstNet.
- If you have applications and services that you are using today, now is the time to begin talking with your application and services providers to ensure that they will not be over-the-top when you migrate to FirstNet
- Development Lifecycles can be long

## Over-the-Top



\* Wireless Carriers are considering Network Integrated services



## Public Safety

- Share Your Needs
- Assess Current Situation
- Future Needs
- Work with vendors

## Industry

- Keep up to Date
- Enhance Your Products
- Work Actively with your Public Safety Customers

# Voice Service Evolution



Voice Category	Status	Status
<b>2G/3G (Telephony)</b>	In use for 20+ years	Green
<b>VoIP (Telephony)</b>	Demonstrated in several applications	Light Green
<b>Voice over LTE (Telephony)</b>	VoLTE preferred solution; just being implemented by some carriers	Yellow-Green
<b>Non-mission Critical Voice (Push to Talk)</b>	Standard and proprietary options available both over the top and network integrated	Yellow
<b>Mission Critical Push to Talk (Push to Talk)</b>	Standardized approach being worked on within current standards developments	Red
<b>Direct mode (Peer to Peer)</b>	Also being worked on within standards efforts; includes peer-to-peer data as well	Red

Thank You

