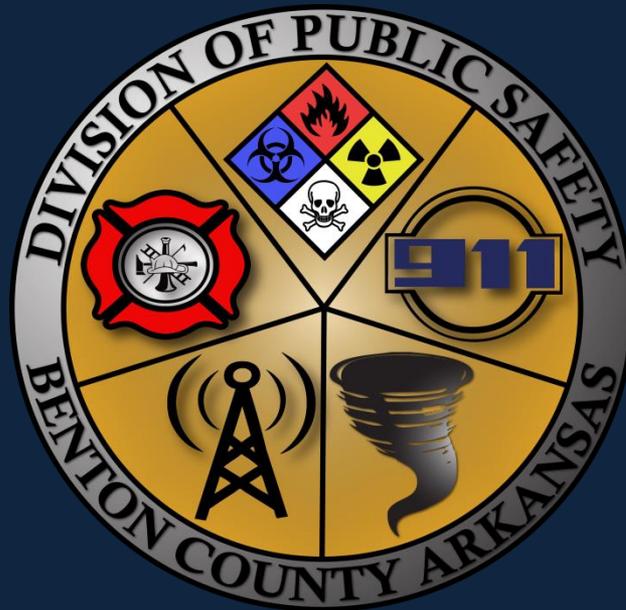


DIVISION OF PUBLIC SAFETY



Public Safety Committee

September 10, 2015

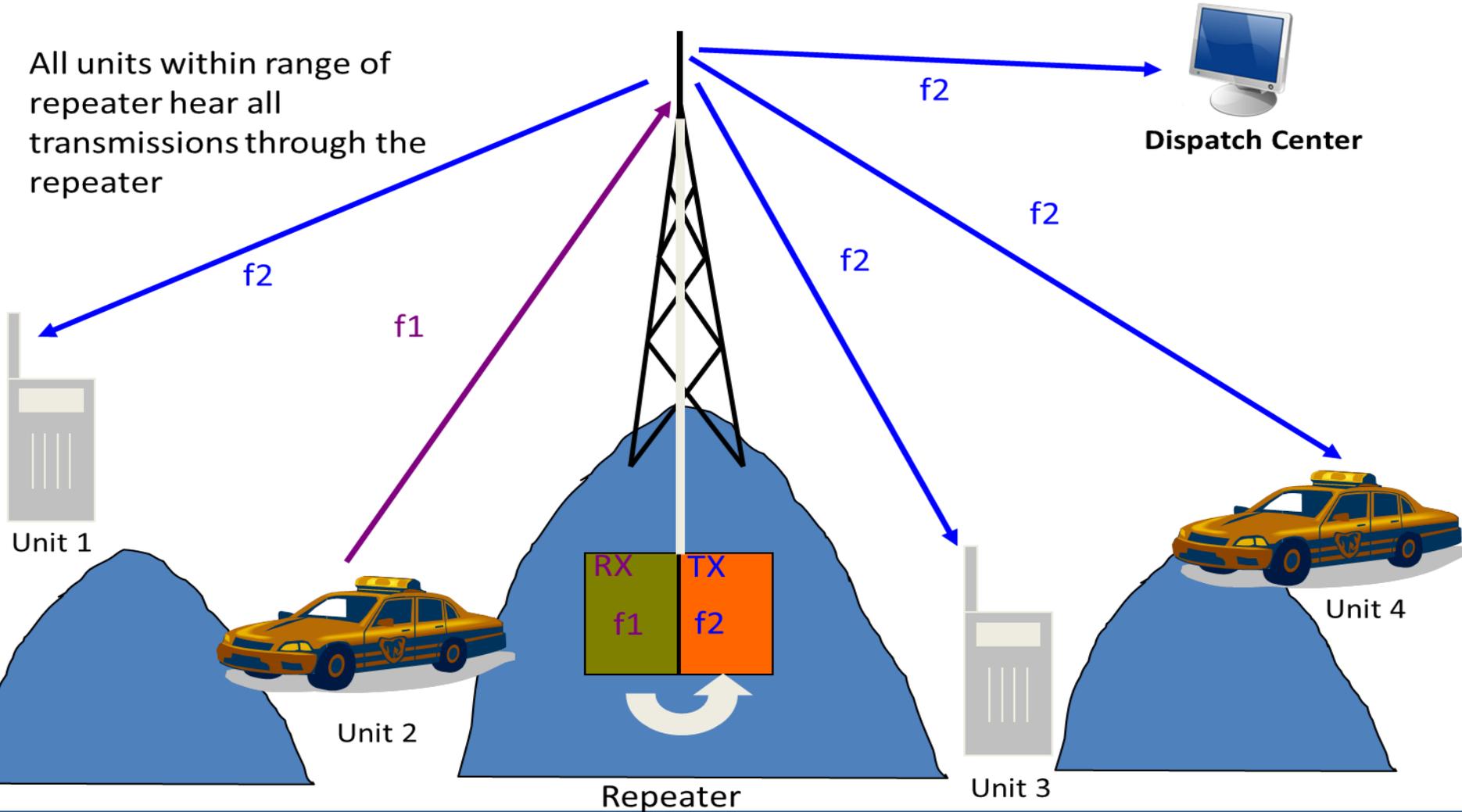
Introduction

- Project Background
- Existing System
- Preliminary Planning



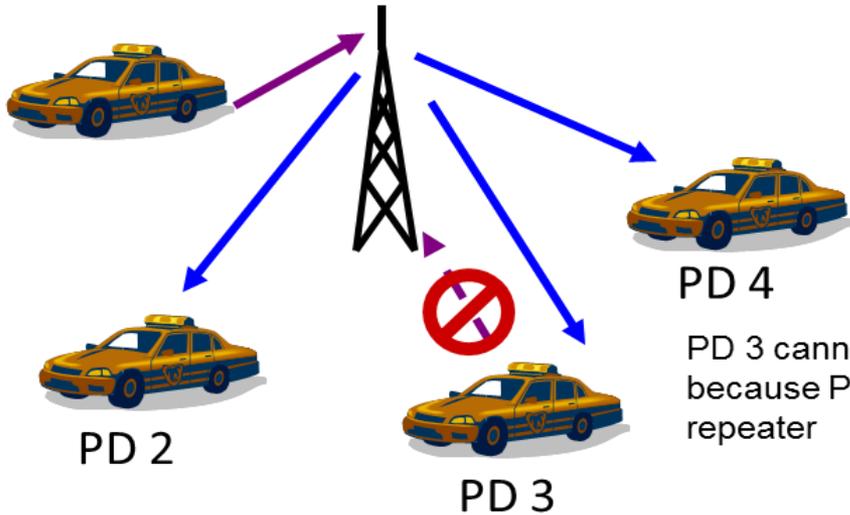
Conventional Repeater

All units within range of repeater hear all transmissions through the repeater



Conventional Systems

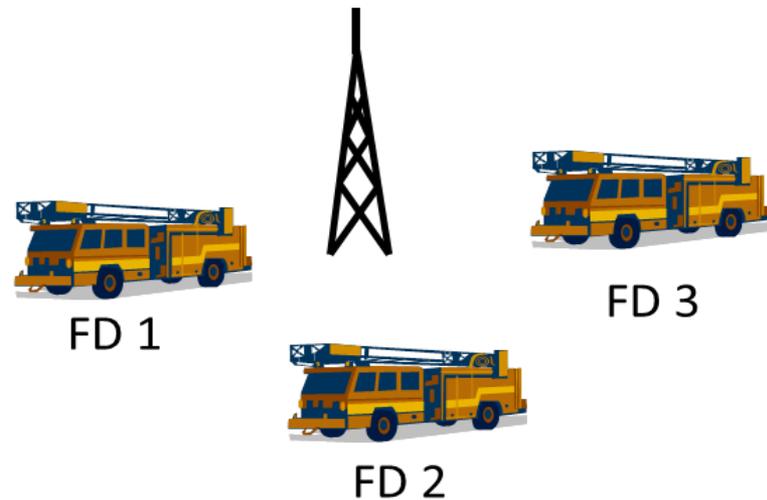
Communicating



When one user is talking, other users on that channel cannot talk, even though other repeaters in the area may be idle.

PD 3 cannot talk to PD 4 because PD 1 is using the repeater

Idle

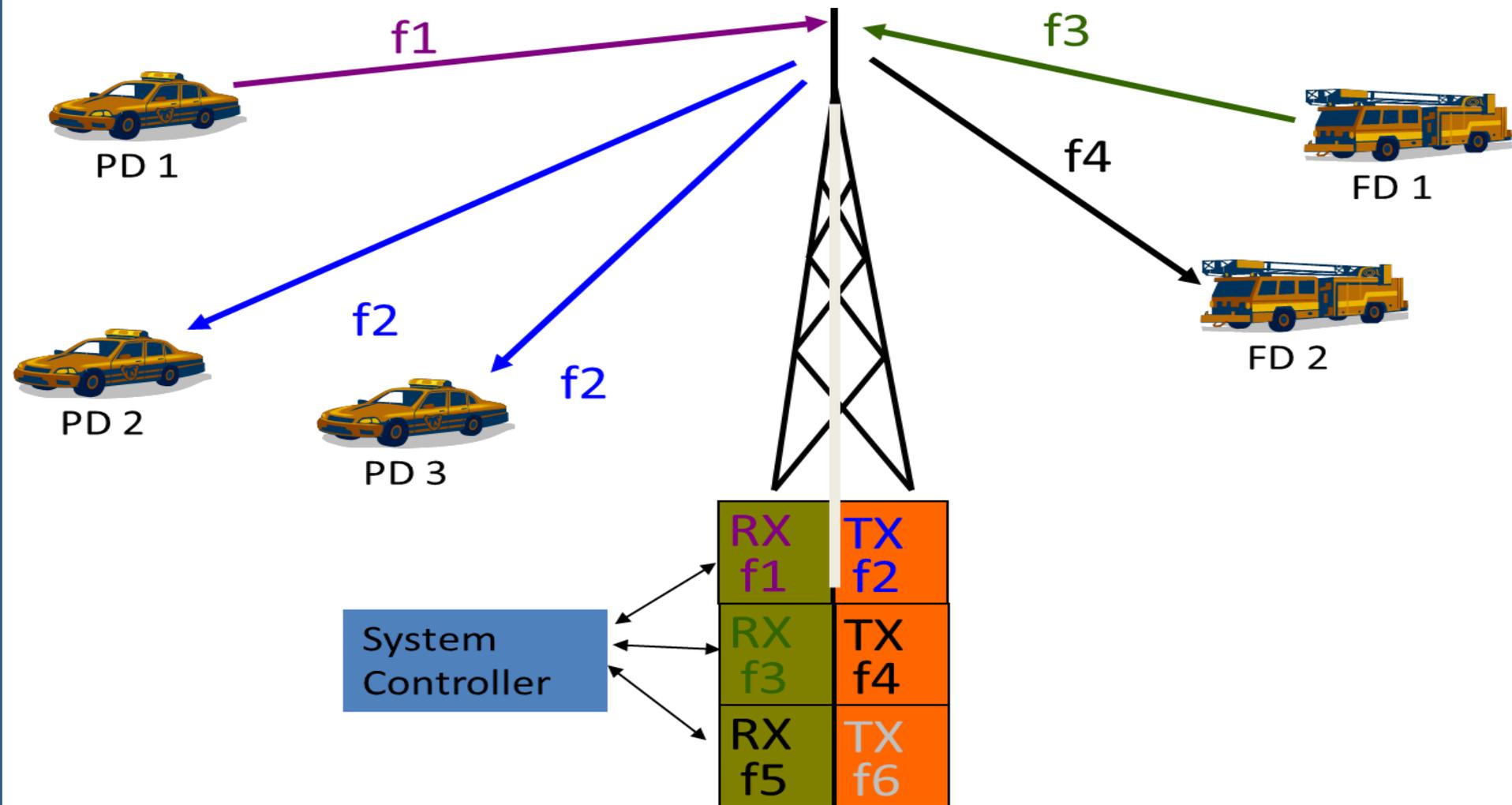


Idle



Public works repeater may be idle 90% of the time, which means that frequency is largely wasted

Trunked System



Project 25

- Established
- Public Safety Driven
- Wide Adoption
- Interoperability
- Multi-Vendor Sourcing
- Secure Communications



AWIN

- The statewide, multiple site, digital 700/800 MHz trunked communications system using the Association of Public Safety Communications Officials (APCO) Project 25 (P25) standard.
- AWIN provides statewide operations, within the coverage area of the system for public service entities using P25 digital 700/800 MHz radios.
- AWIN provides a reliable, statewide means of communication for the state's first responders. The AWIN system consists of over 100 tower sites and over 27,000 authorized radios.
- AWIN is monitored 24/7/365 to ensure that it is available whenever the first responder needs it.



Conclusion

Where do we go from here?

