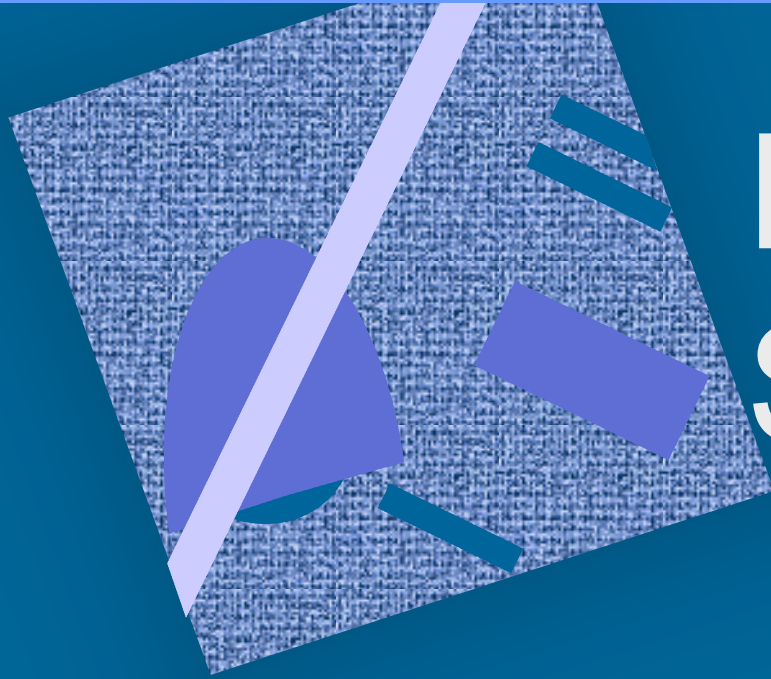


Module 4



Emergency Services

Emergency Services

User Needs

- Response Information
- En-Route Services Information
- Emergency Assistance
- System Operational Effectiveness

Stakeholder Partners

Who are they?



Applicable Technologies

- Rural Addressing
- In-Vehicle Route Guidance
- Automated Vehicle Location
- Automatic Collision Notification/Mayday
- Response Plans

Projects

- Crash Response
- Rural Addressing Scheme
- Wire 9-1-1 Phone Network
- Wireless E9-1-1
- LifeLink
- Emergency Vehicle Traffic Signal Pre-emption

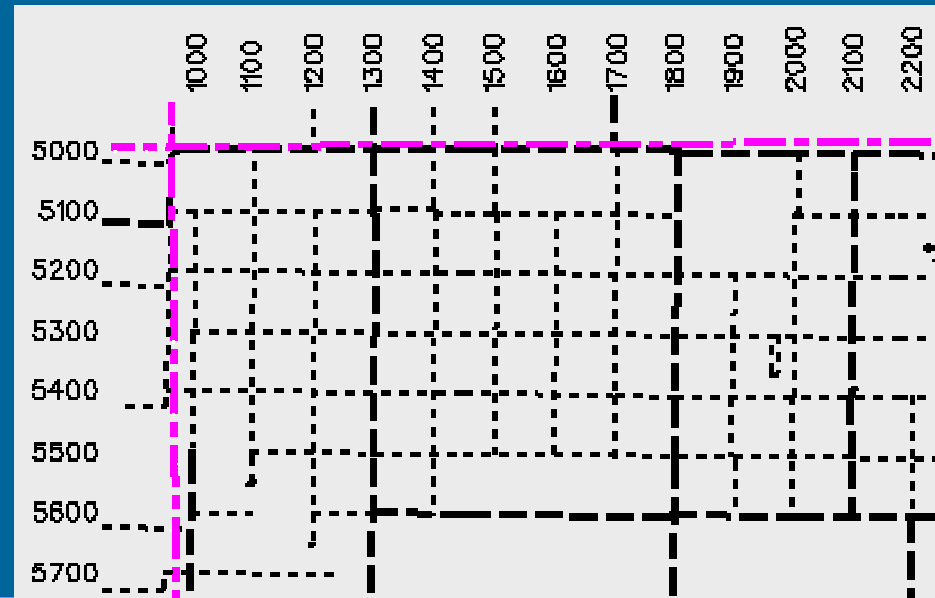
Mayday Plus



- Demonstrate public infrastructures (e.g., trauma centers) effectiveness with automated crash detection.
- Demonstrate how Automated Collision Notification system can reduce the time for personnel to reach crash victims.

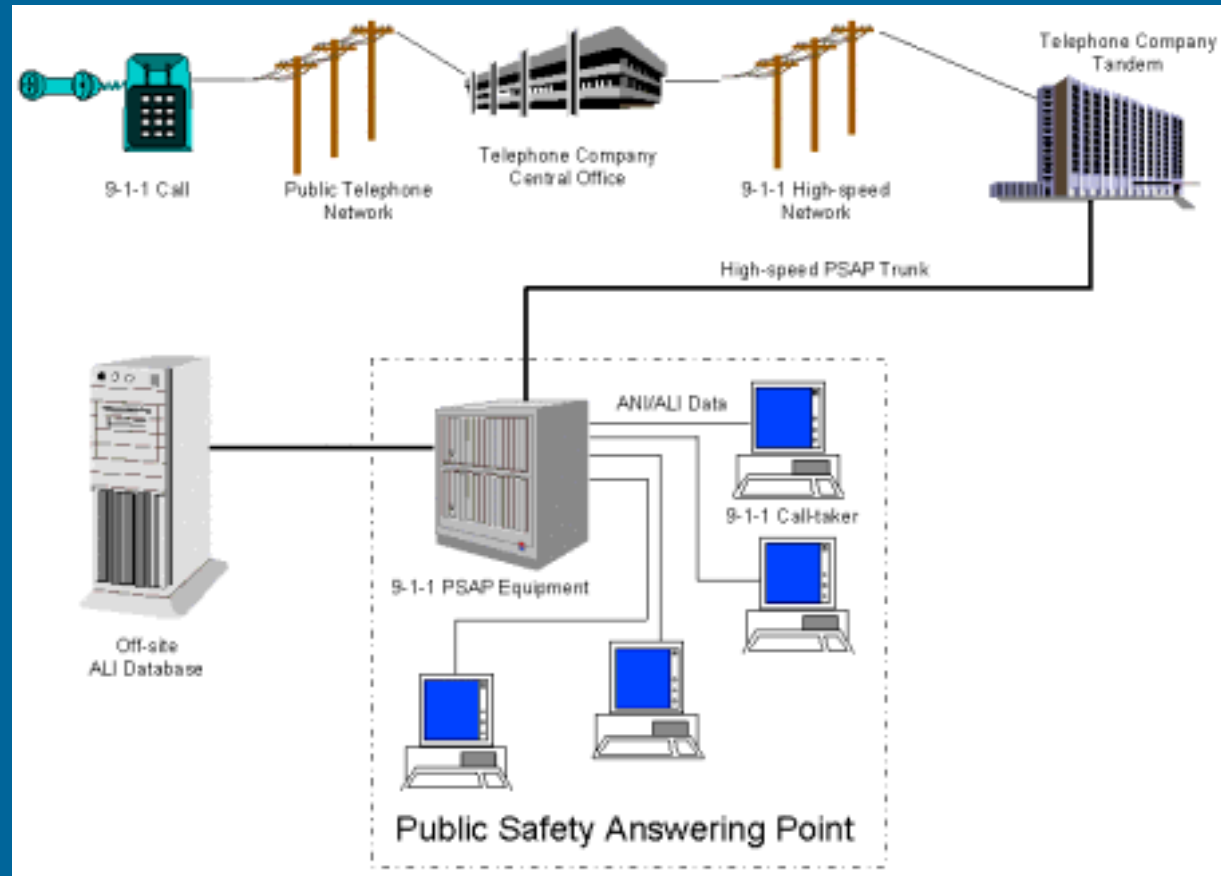
Rural Addressing Scheme

- Components of Physical Address
 - House number
 - Directional
 - Street name
- Designations for roads
 - A road at 1/8 mile = 10
 - A road at 1/4 mile = 20
 - A road at 1/2 mile = 40
 - A road at 7/8 mile = 70
- Exceptions
 - State highways
 - Farm-to-market roads

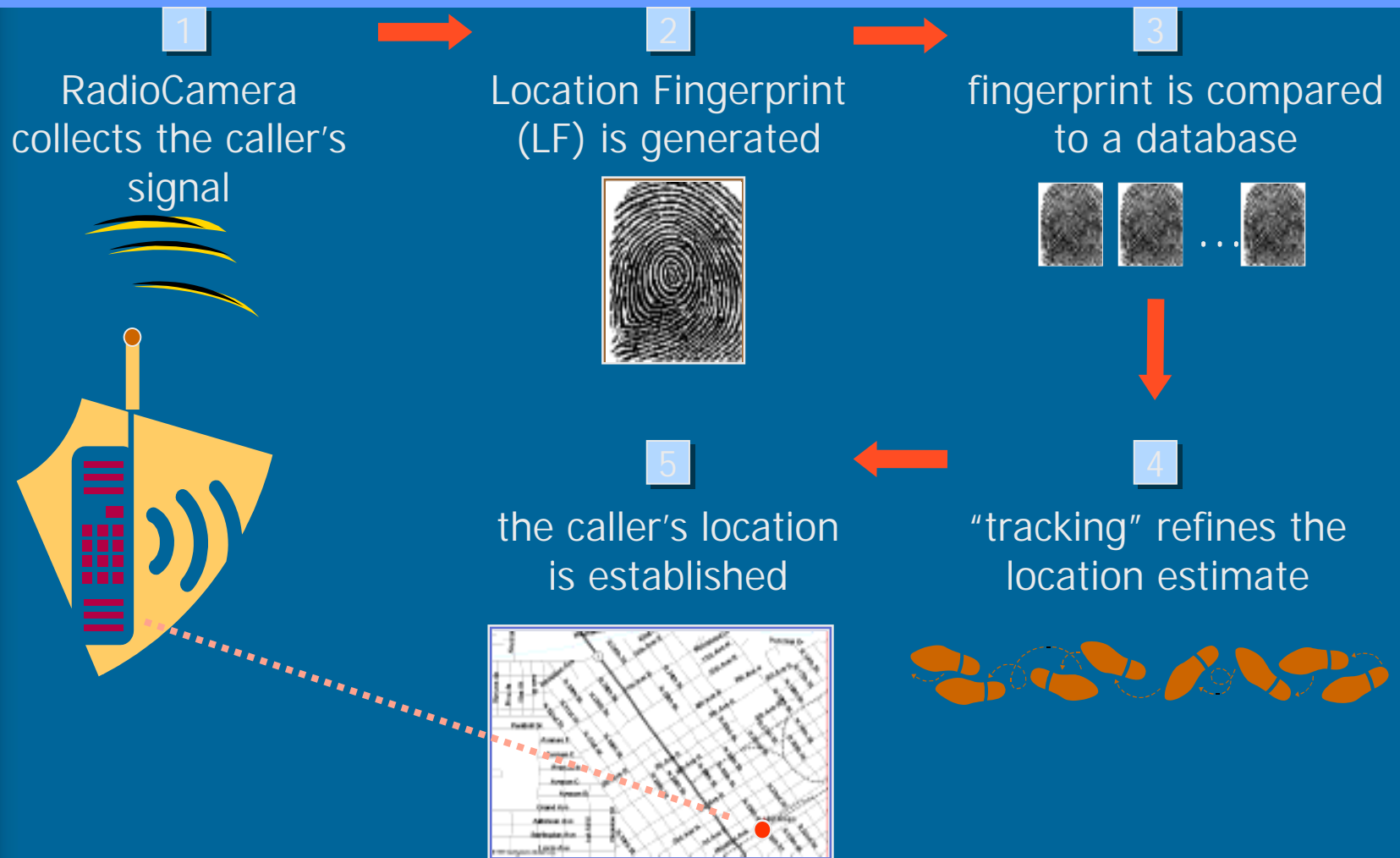


Wire 9-1-1 Phone Network

- Features
 - Automatic Number Information
 - Automatic Location Information
 - Selective Routing



Wireless E9-1-1



LifeLink

- Links ambulances with a hospital
- Each ambulance has videoconferencing hardware and software
 - 2-way video
 - 2-way voice
 - vital signs to hospital
 - cardiac data to hospital



Emergency Vehicle Traffic Signal Pre-emption

- Gives a green light to emergency vehicles for up to 45 seconds
- Requires minimal additional equipment

