



POLICE

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GOING MOBILE

Search is an Emergency

Regardless of Project Lifesaver affiliation, each missing person occurrence is treated as an emergency



ERT/ Specialized units activated as per SOP



Project Lifesaver equipment is another 'tool' and is subject to failure and human error



Omni Directional Antenna

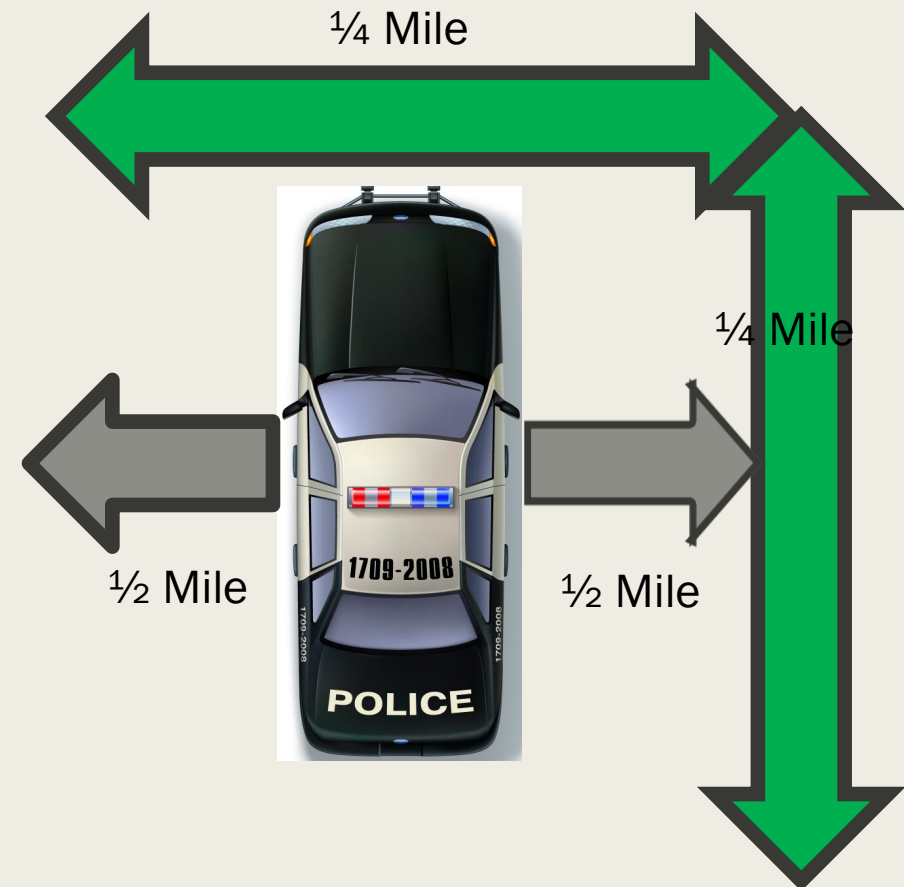
- Why have a second style antenna?
 - Mounts on top of a vehicle and will allow the operator to cover more ground (even en-route to place last seen (PLS)).
 - Antenna will pick up 360 degrees and will get you close to the transmitter
- However, the Yagi gives $\frac{3}{4}$ to 1 mile range, while the Omni's range only $\frac{1}{2}$ mile.



Omni directional Antenna

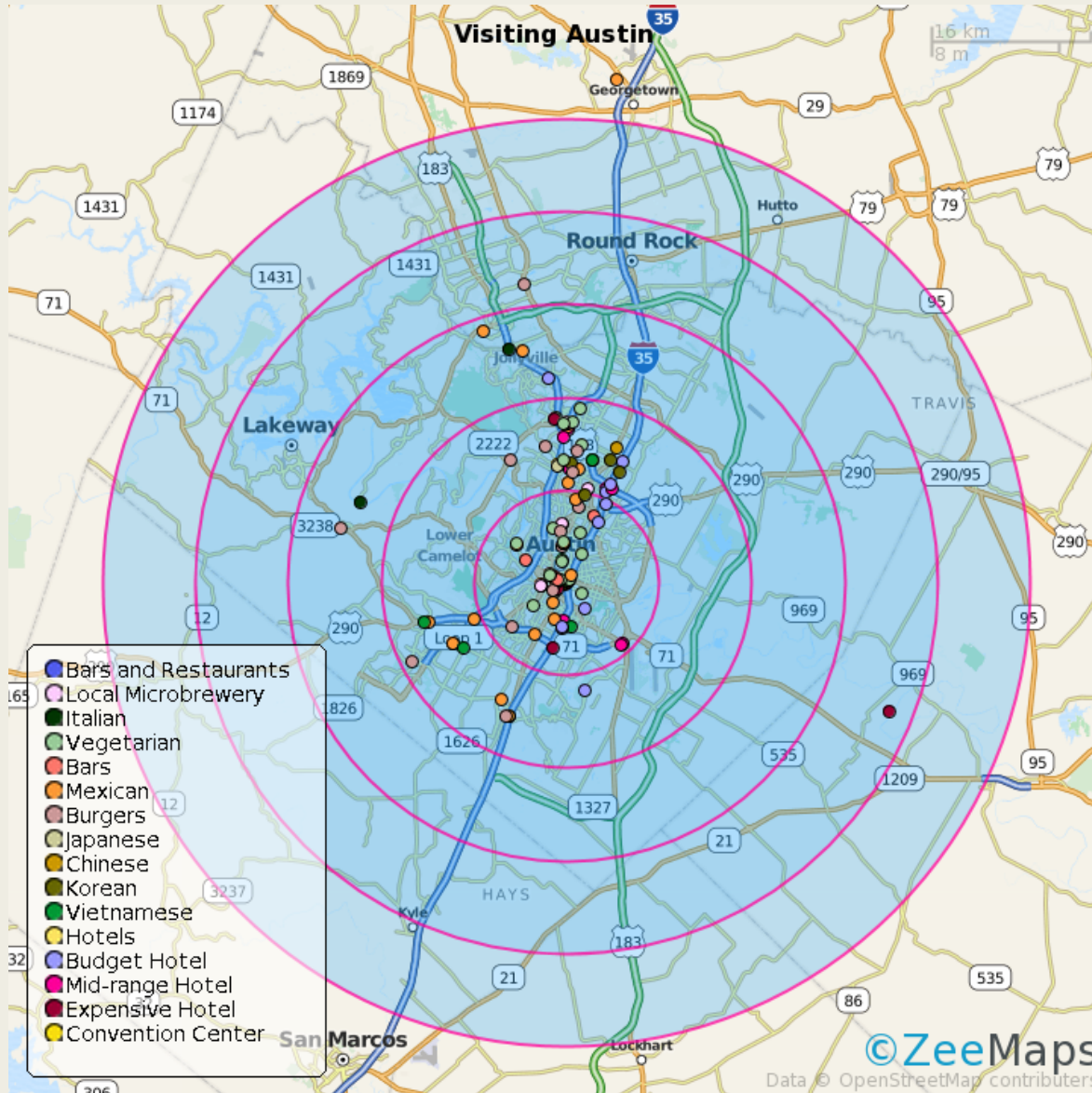
Omni Antenna Positioning

- When mounted on top of the vehicle, the omni will give you $\frac{1}{4}$ mile in each direction.
- Mount the omni antenna 12 - 18 inches from the light bar.



No Signal Detected- Now What?

- What does it mean if no signal is detected at PLS?
 - Check equipment
 - Check for deviation



360 Out Patterns

- If no signal has been detected, the proper pattern to try to locate a signal after equipment has been eliminated as a cause for failure to detect a signal are to move in outward concentric 360 circles from PLS.



Search Area Considerations

- Size of search area based on several criteria:
 1. How long has the missing person been gone?
 2. Surrounding terrain/ Road Network
 3. Average person travels 6.5km an hour.

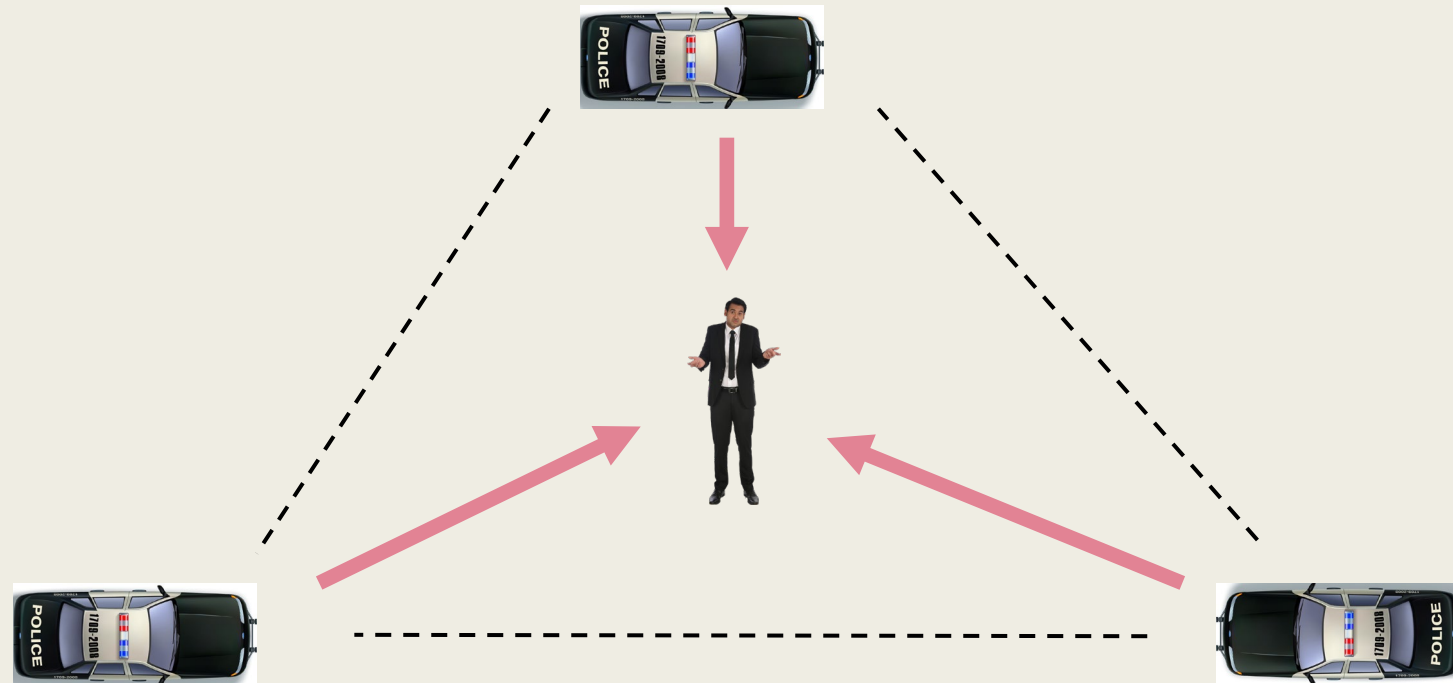


Additional Considerations

- Mount and activate equipment enroute to PLS
- Coordination and Control
- Vehicle Speed (go slower than normal e.g. 40km/h)
- Combination and APPROPRIATE usage of Antennae types
- Communication!

Triangulation

- When searching for a transmitter with more than one receiver, you can use the Triangulation Search;



Command and Control

- Who is in charge?
- What is my callsign?
- What is my assignment?
- What radio channel are we operating on?

Communication of Information

- Continuous updates to search team leader
- Be specific to avoid uncertainty

E.G.

“I have a weak signal north-west of my position at XX using my omni directional antenna/ Yagi antenna. My gain is currently set at XX”