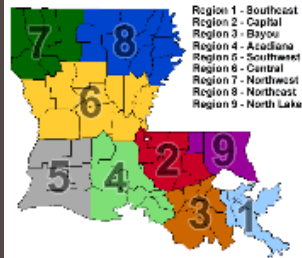




Louisiana ARES Districts



WINMOR

AX.25



KE5QKR

W5SLA  
OZONE AMATEUR RADIO CLUB

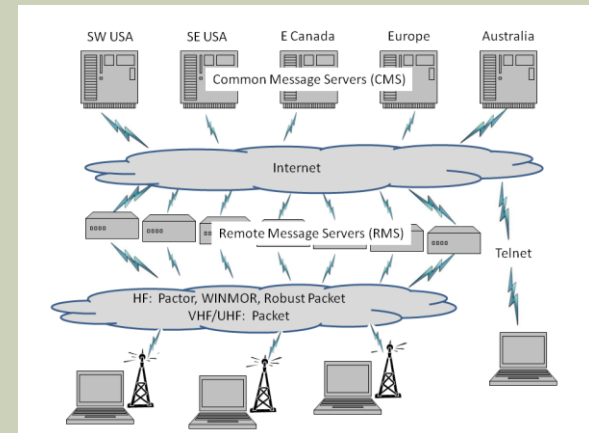
# WHAT IS WINLINK?



■ <https://www.winlink.org/>

■ A global network of

- Internet e-mail relay systems (CMS)
- RF & internet based gateways (RMS)
- Clients using the system (People)



- For efficiency, reliability and flexibility, the Winlink system provides three modes for transferring messages:
- Conventional system that stores messages on CMS “backbone” servers.
  - Hybrid MESH network that transfers messages over long distances using radio-only HF forwarding.
  - Peer-to-Peer direct connections between two client stations without any use of Internet or infrastructure.

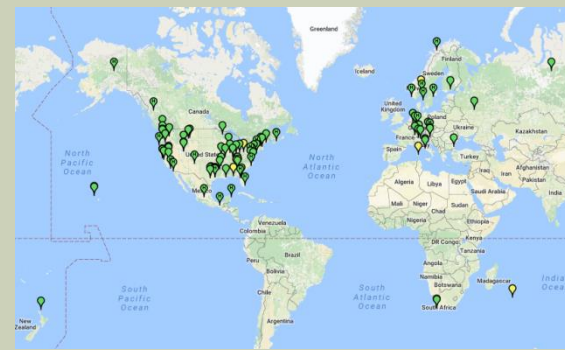
# WHAT IS WINLINK EXPRESS?

## Winlink Express

■ <https://www.winlink.org/WinlinkExpress>

## Winlink Express

Winlink Express (formerly RMS Express) is the preferred Winlink radio email client because it supports all new system features, including the [Winlink Hybrid Network](#) and Secure Login to help prevent unauthorized access to your account. Winlink Express is designed to be easily used by single users with a single call sign but it may also be used to simultaneously send and receive mail with one or two tactical addresses or alternate Winlink accounts. It supports a wide selection of transceivers, TNCs and multimode controllers, the sound card mode WINMOR using the (included) WINMOR virtual TNC, HF Pactor, SCS Robust Packet, VHF/UHF AX.25 packet radio, and direct telnet to CMS servers or RMS Relay (for amateur radio High Speed Multimedia [HSMM], Broadband HamNet, D-Star DD mode, internet, and other TCP/IP networks).



TELNET

AX.25 PACKET

PACTOR 1-3

PACTOR 4

WINMOR

Password-protected Secure Login

Supports B2F protocol & mail attachments

Sound card

Most any TNC (Packet)

# FOCUS ON SOUND CARD MODES

- While the Winlink Express and Winlink system supports multiple protocols and multiple methods of transferring messages, the focus of this presentation will be on;

## Protocols;

### A. PACKET (VHF & UHF AX.25)

A. Via Soundcard

### B. WINMOR (HF)

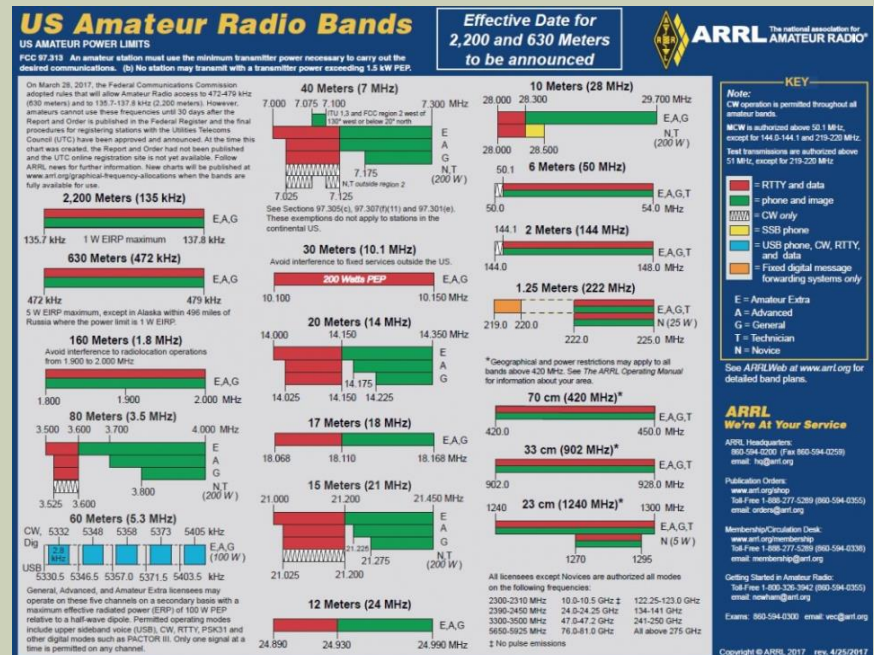
A. Via Soundcard

A. "Poor Man's" Pactor via PC

## Methods;

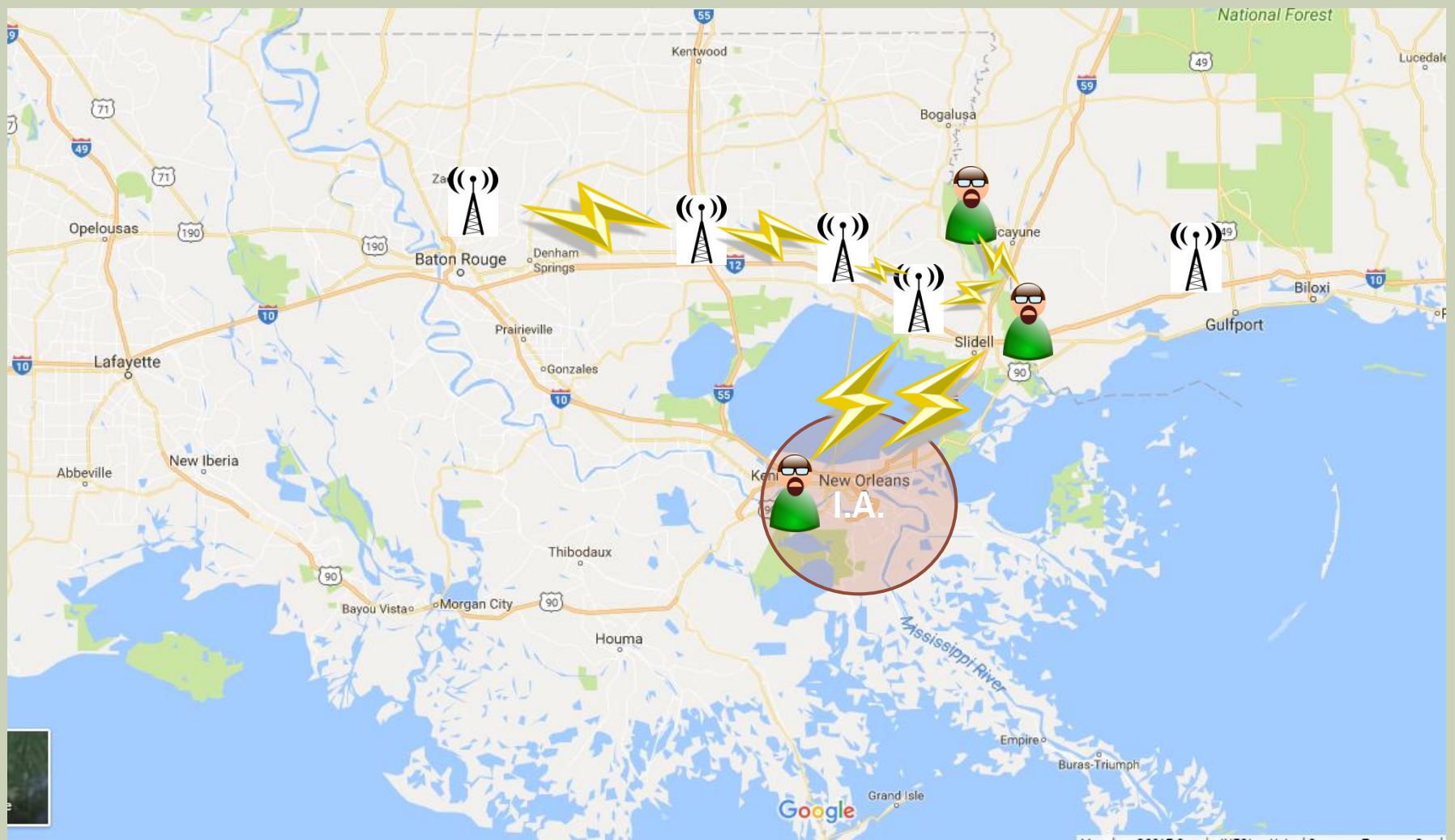
### A. RMS Gateway via PACKET

### B. RMS Gateway via WINMOR

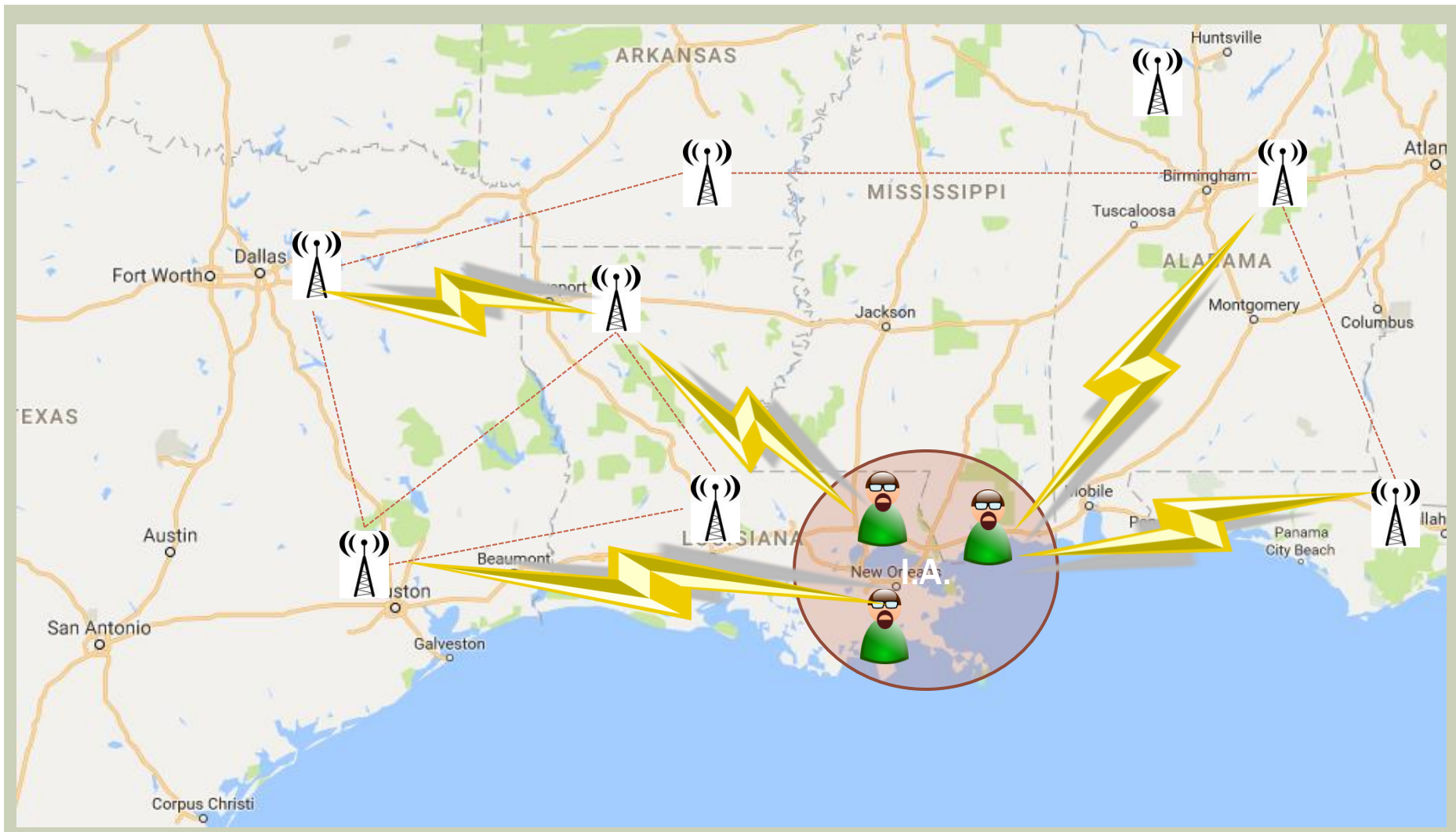




# SCENARIO'S (VHF, UHF, AX.25)



# SCENARIO'S (HF, WINMOR)



# IT IS NOT DEPENDENT ON THE INTERNET & IT IS NOT THE INTERNET

- It is dependent on people with skills and organization to “MAKE IT WORK”
- Different scenarios call for different “protocols” and “methods of transfer”
- It CAN use the internet if it is available
- It is NOT a replacement for the internet
  - NO WHERE NEAR today’s speeds
  - Short messages with very small attachments, if any.



# DEMONSTRATION

- Less talk, more do