
	<b>EMERGENCY MEASURES RADIO GROUP</b>
	<b>OTTAWA ARES</b>

Two Names - One Group - One Purpose

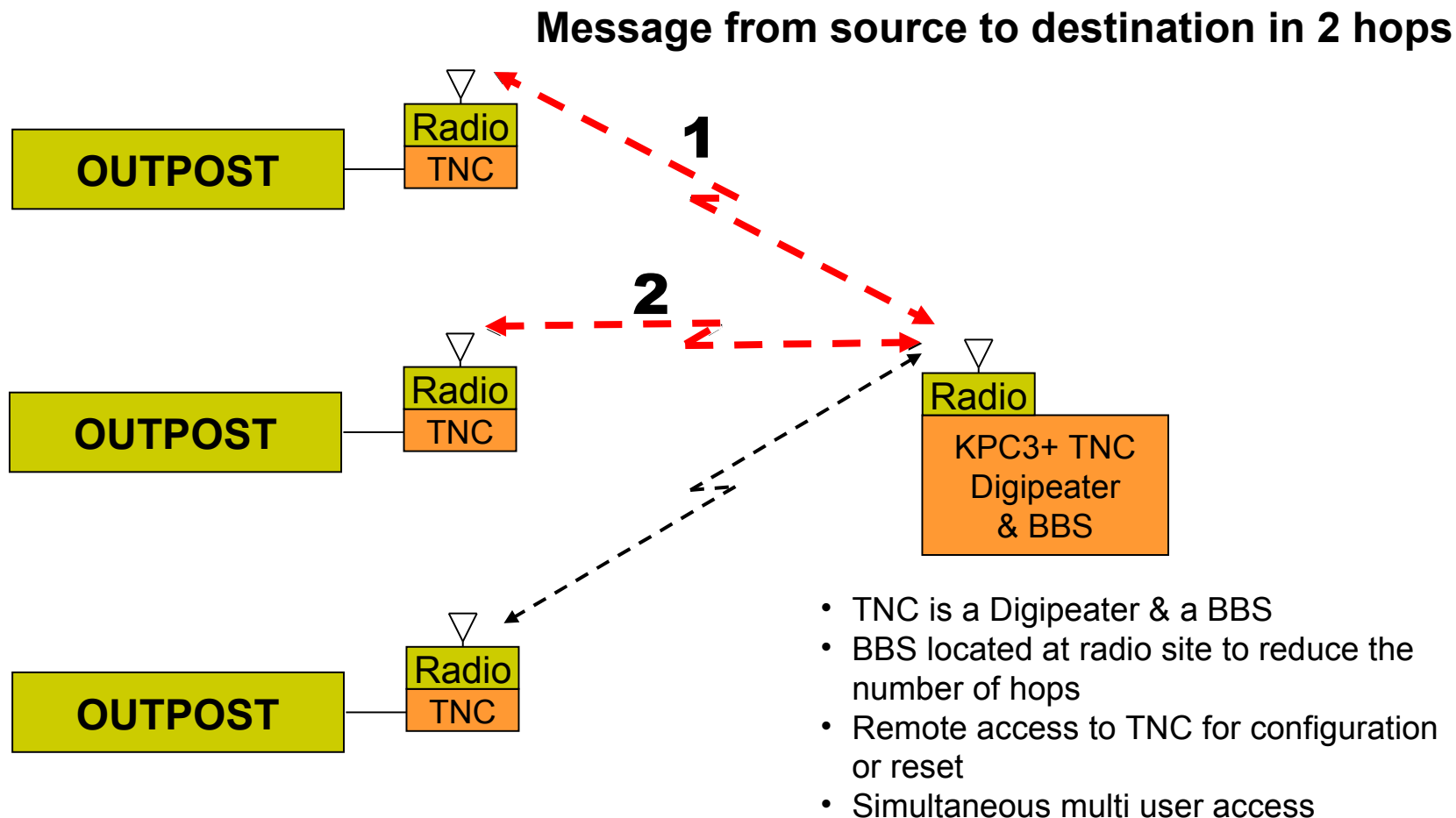
# **Amateur Radio Data Communications DEMO NETWORK**

# PURPOSE

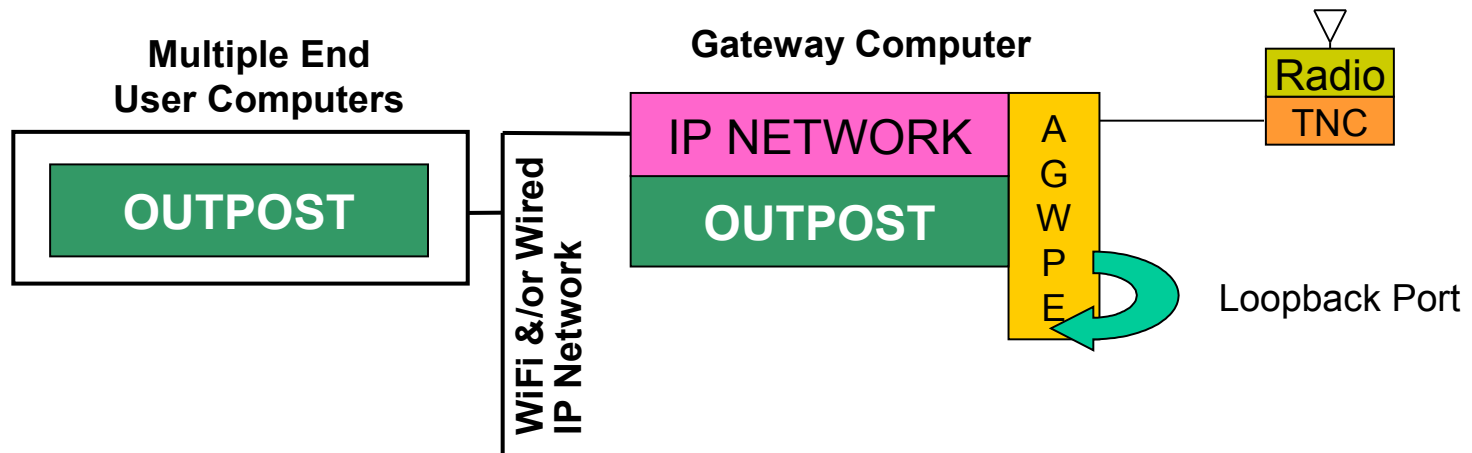
- The purpose of the Technology Demo is to show people some of the things that EMRG is working on, and some ideas that are possible based on available technology .
- Hopefully some people will take some of these ideas, or get ideas of their own, and experiment to find solutions that can be applied to EMRG problems.

# BASIC DATA COMMUNICATIONS

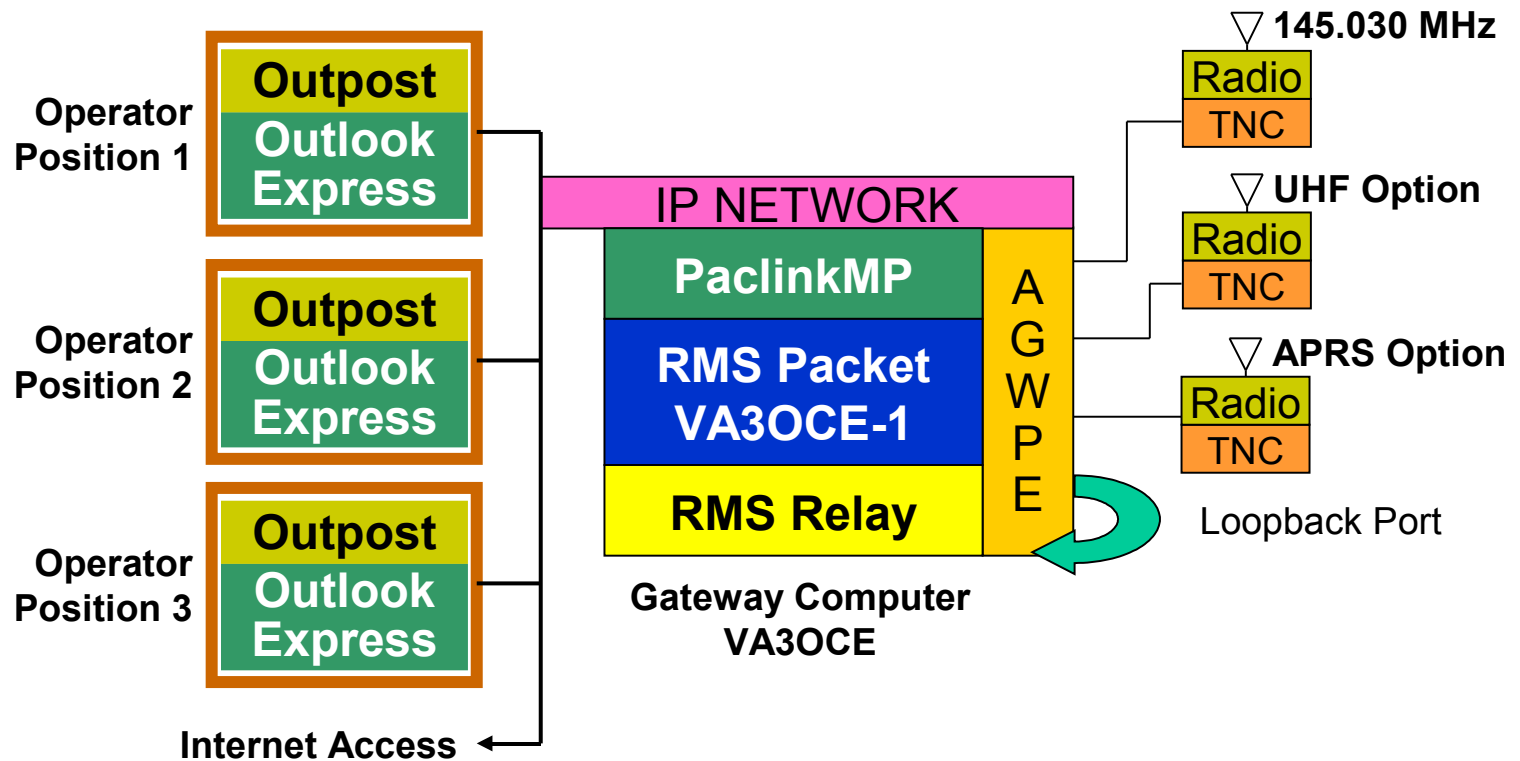
## Outpost & TNC BBS



# OUTPOST WITH AGWPE

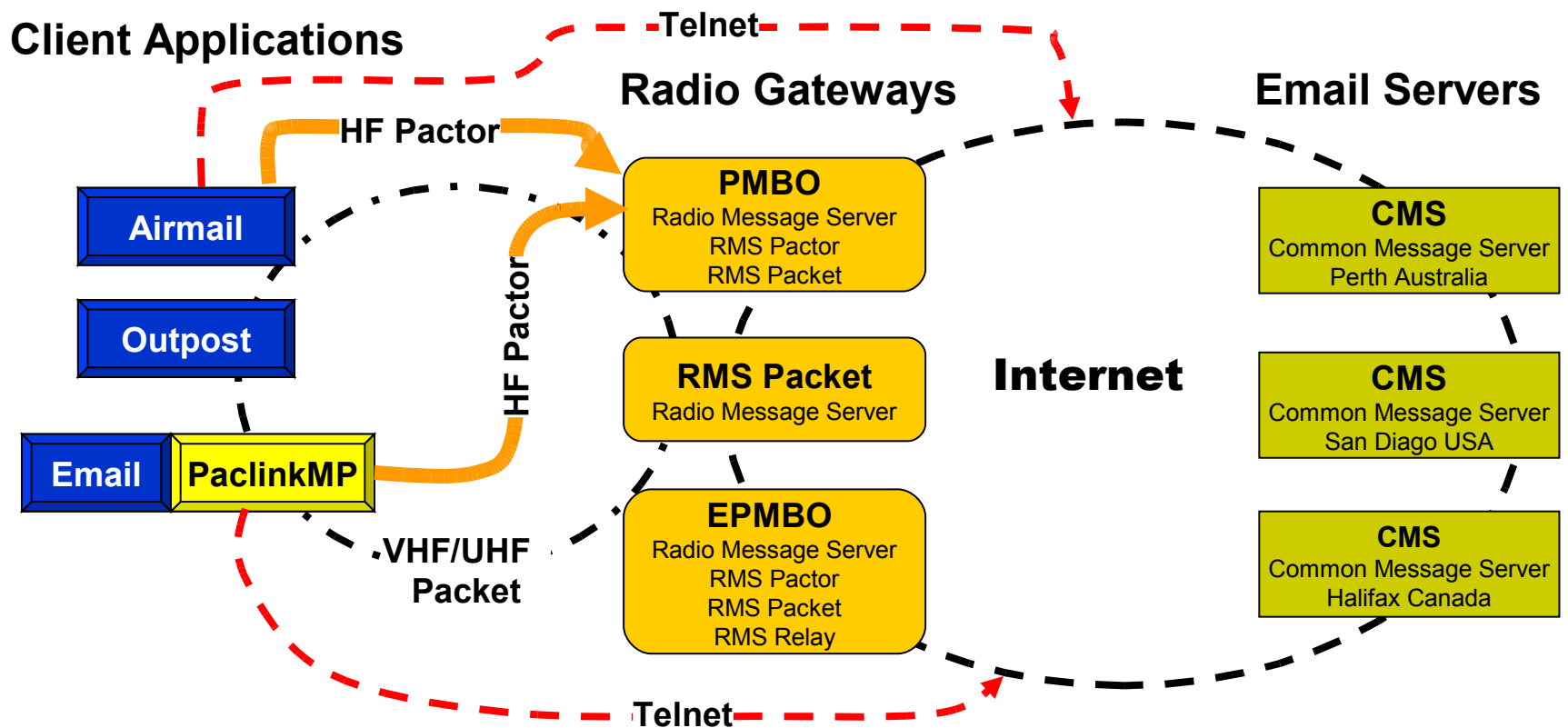


# AGWPE APPLICATIONS

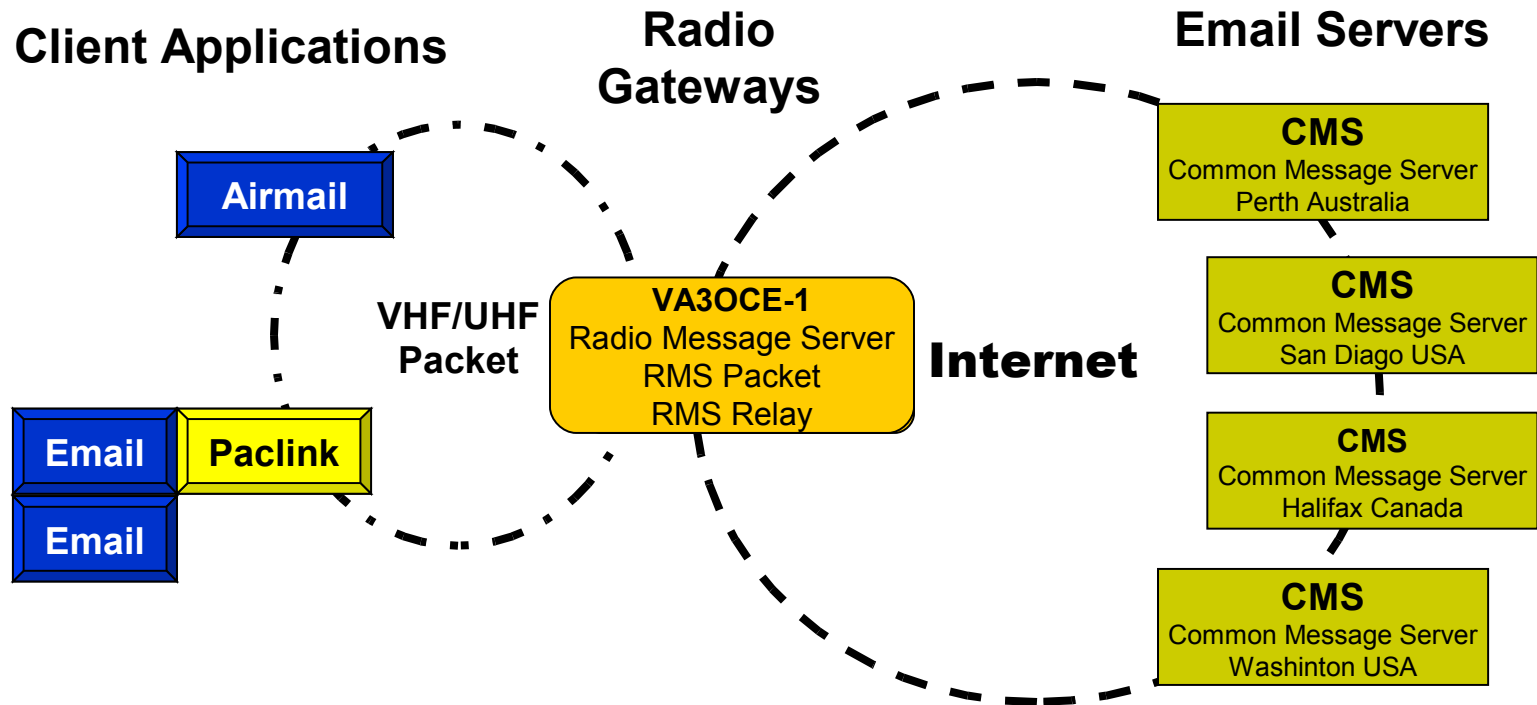


# Winlink 2000

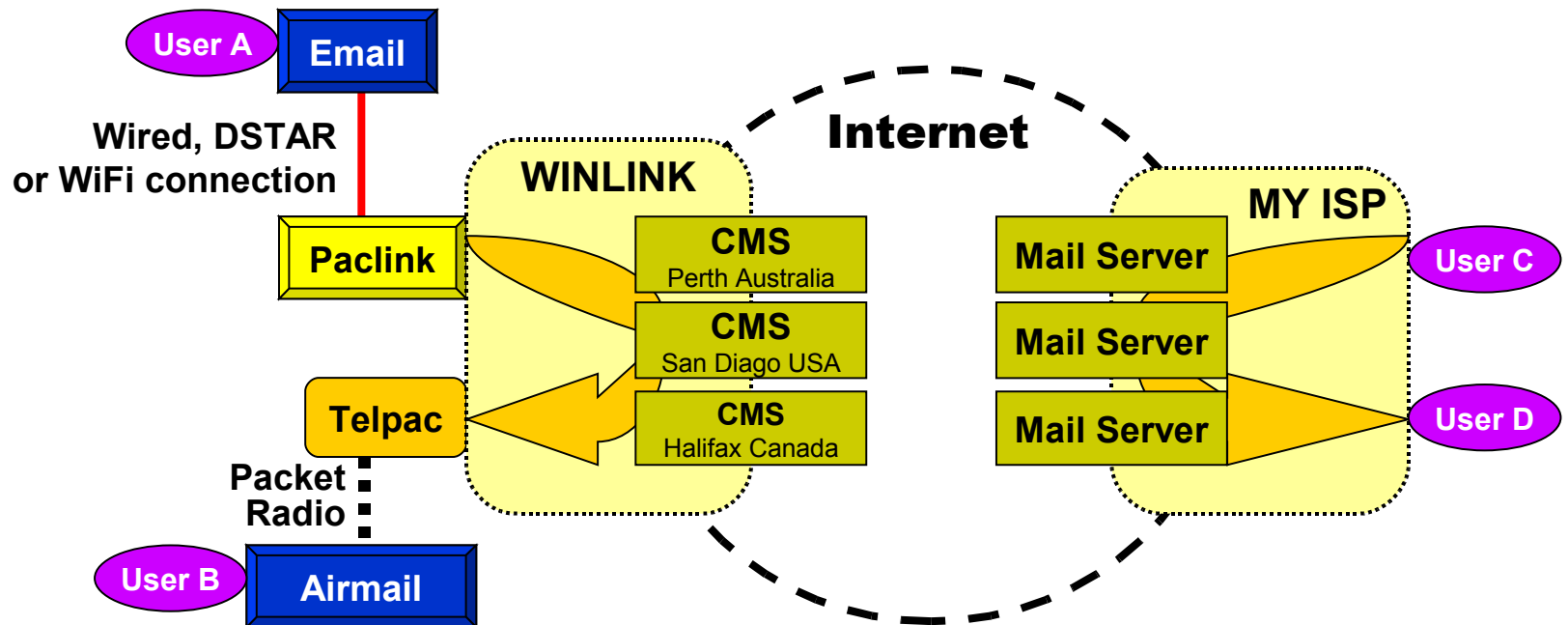
Winlink 2000 is an Email System made up of 3 components;



# TYPICAL WINLINK SYSTEM

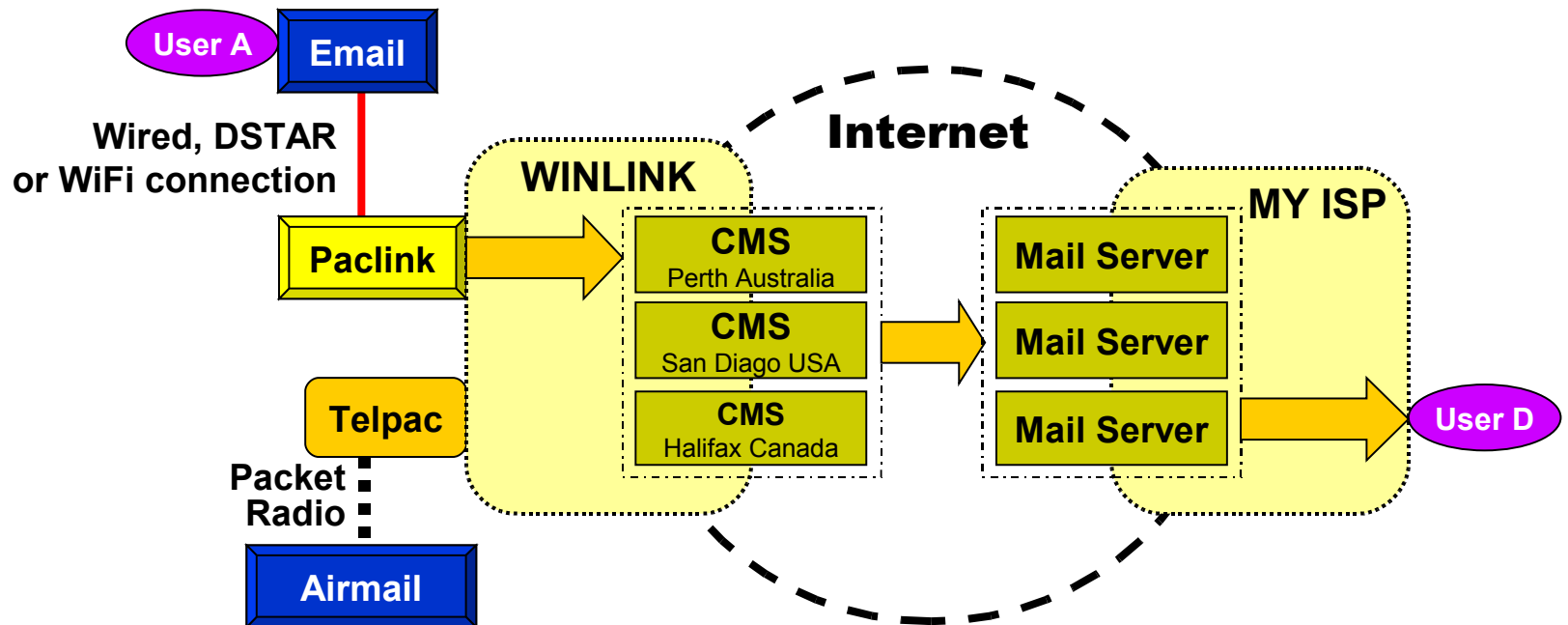


# WINLINK LIKE AN ISP

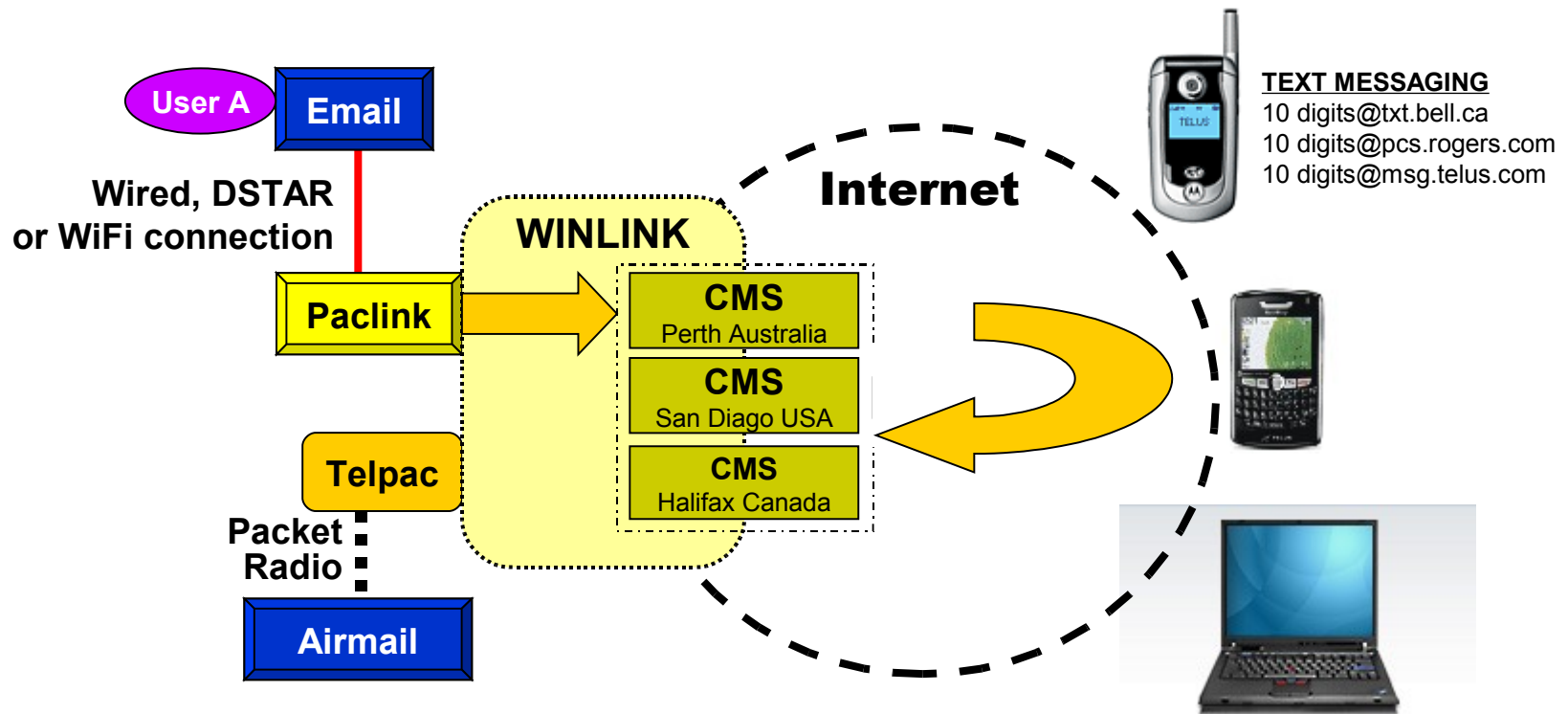




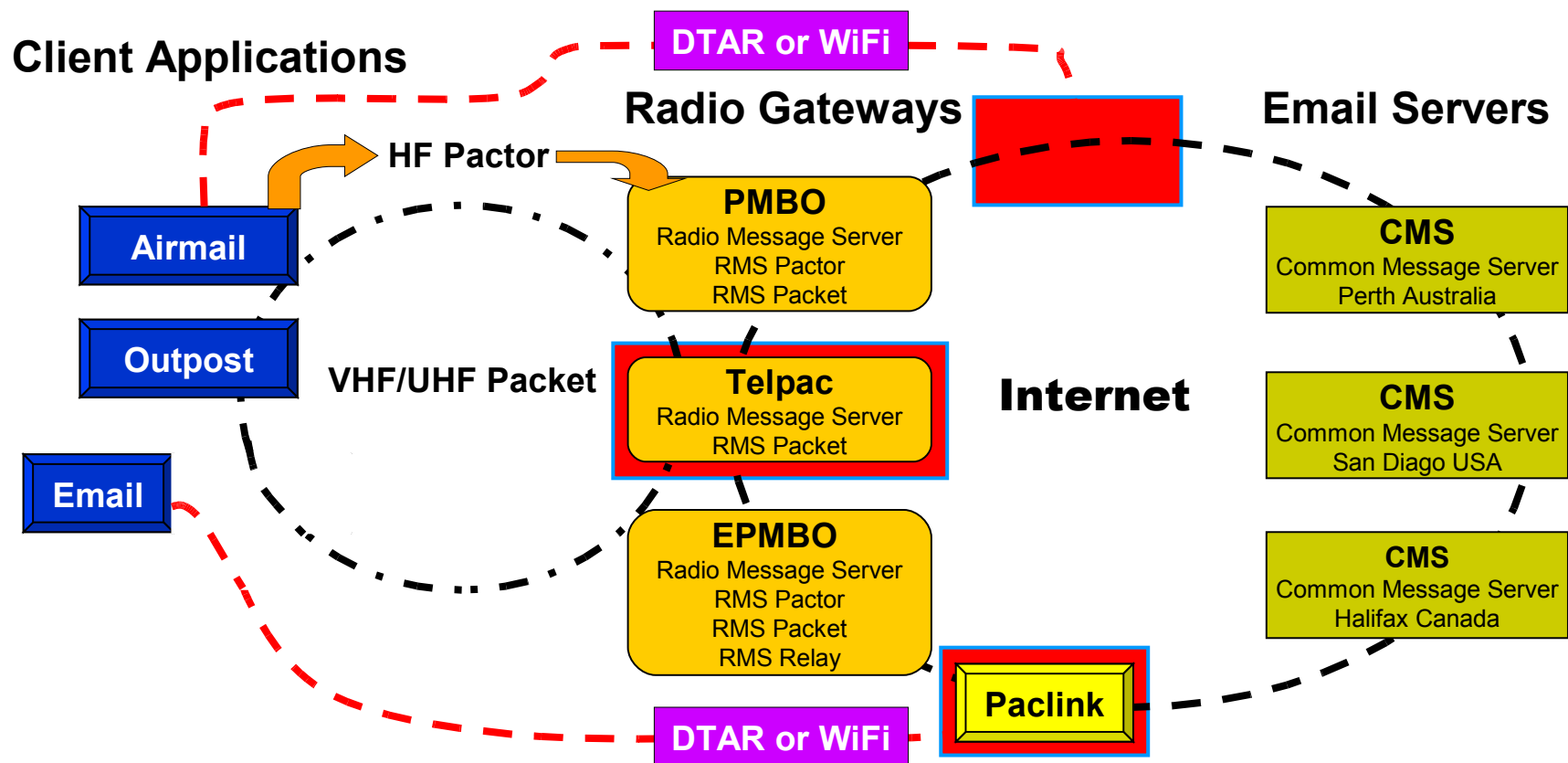
# WINLINK TO “MY ISP”



# WINLINK TO ANY EMAIL



# DSTAR & WiFi



# Voice over IP (VoIP)



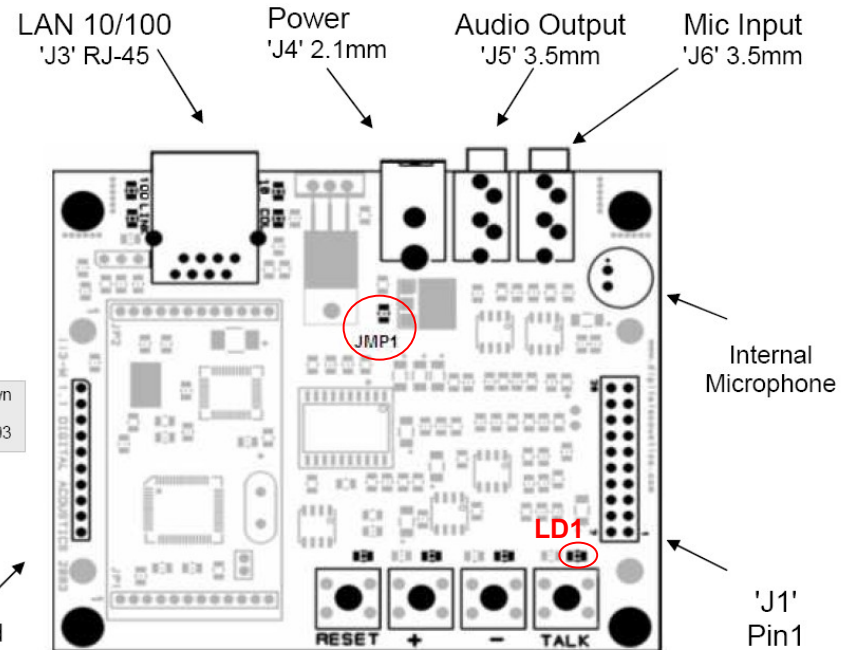
The system is made up of 2 ii3 VoIP Intercom units, configured for Peer to Peer mode, with one as a Client and the other as a server.

## Voice over IP Standalone Audio Interface

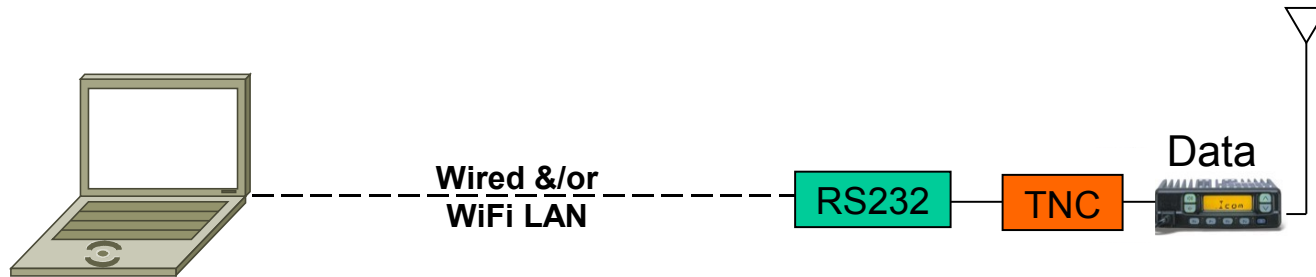


Version shown  
ii3-M  
Released 6-03

'J2'  
Reserved

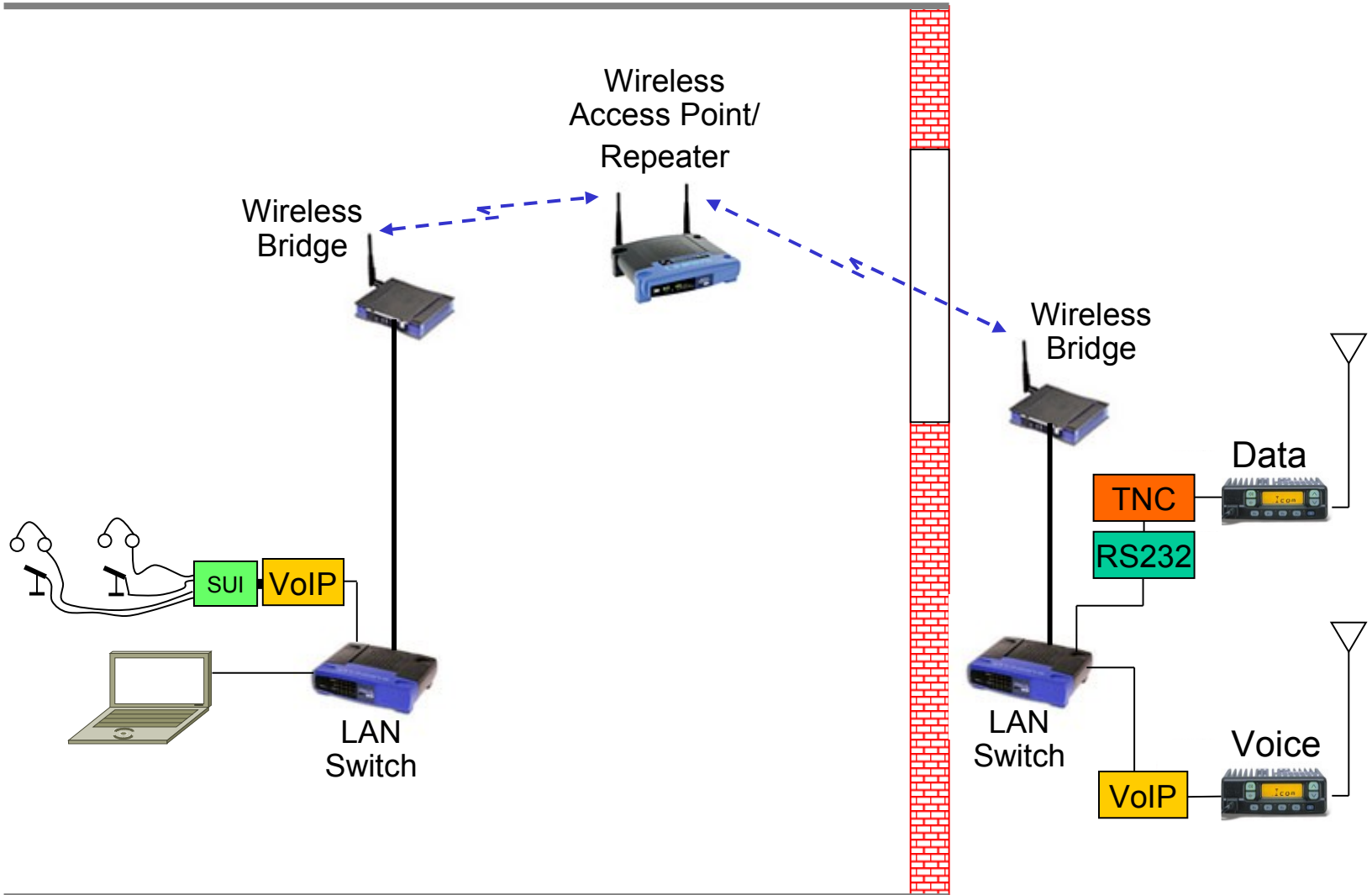


# RS232 Serial Extension



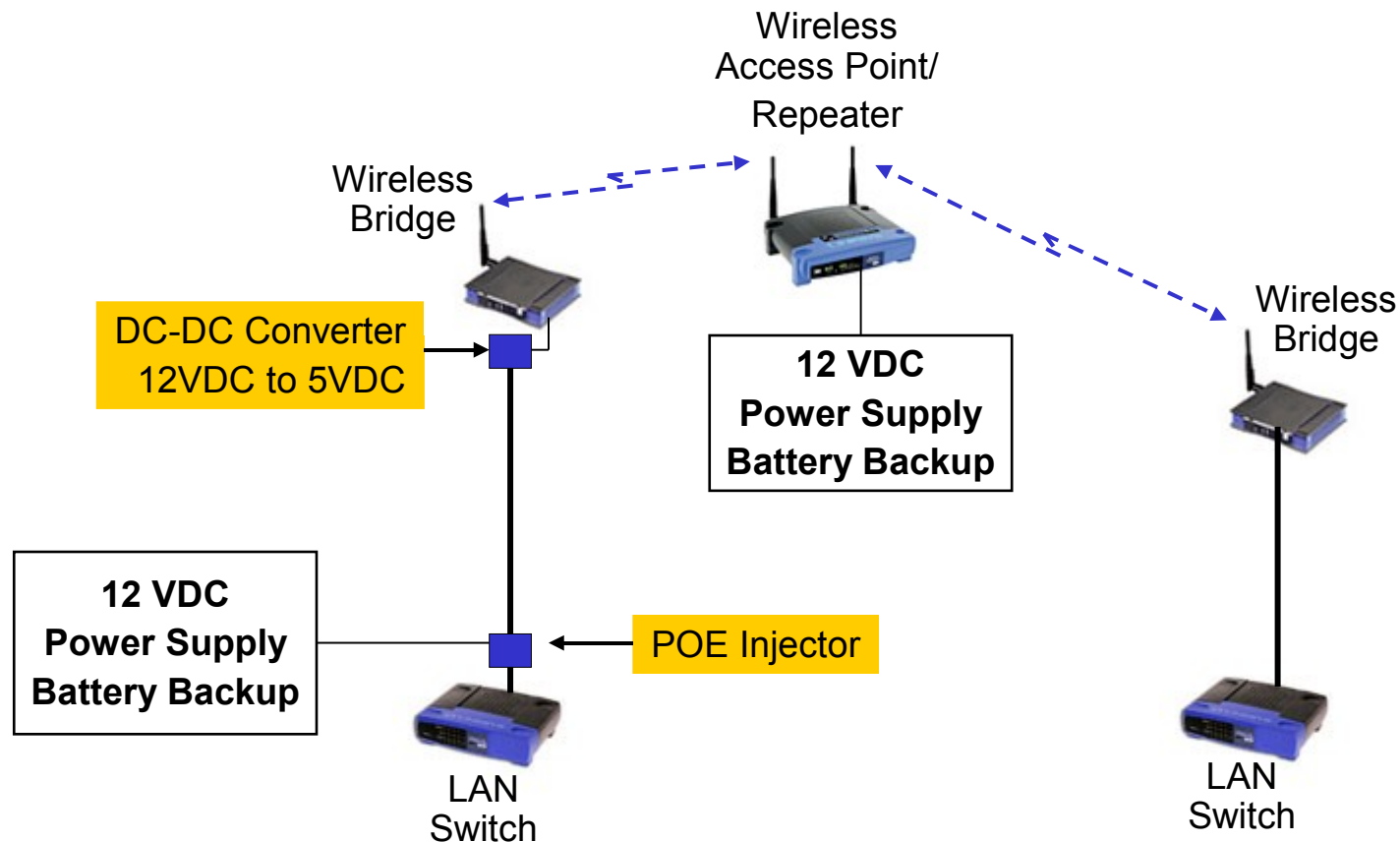
**Serial Communications  
RS232 Over Ethernet**

# Sealed Buildings

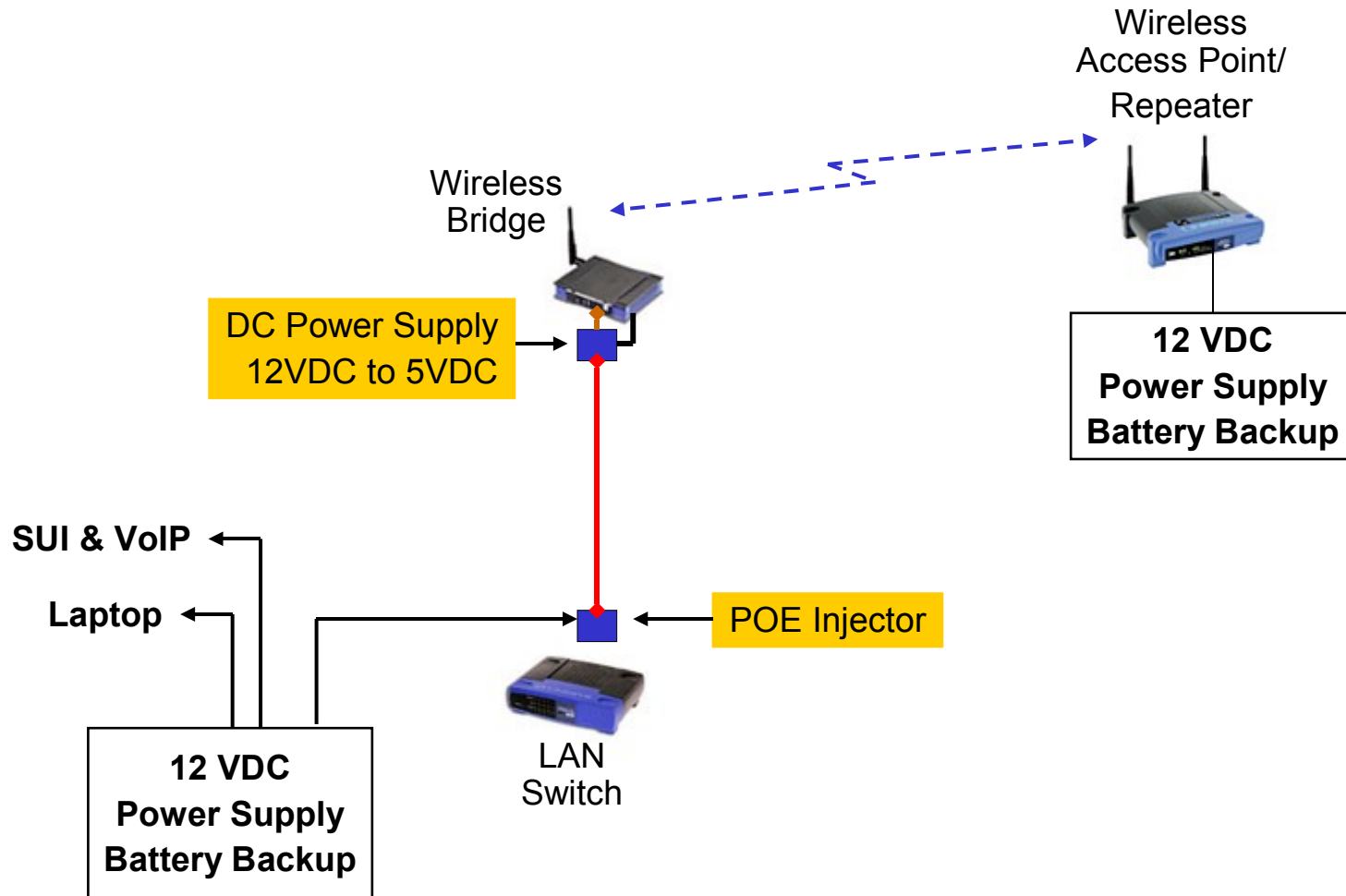


**Computers Inside, while Radios & “Appliance” Devices are Outside**

# POWERING THE LAN



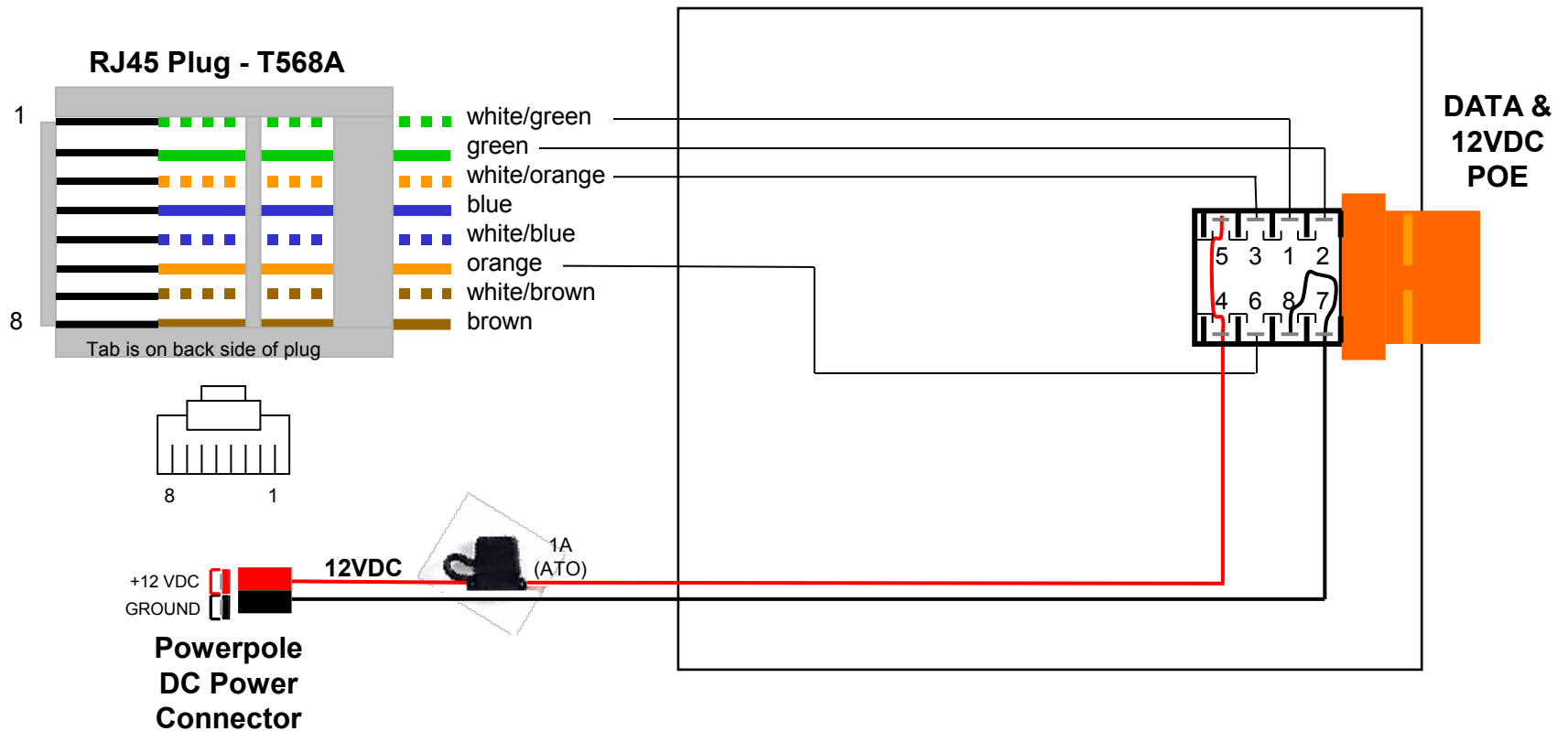
# POWERING THE LAN





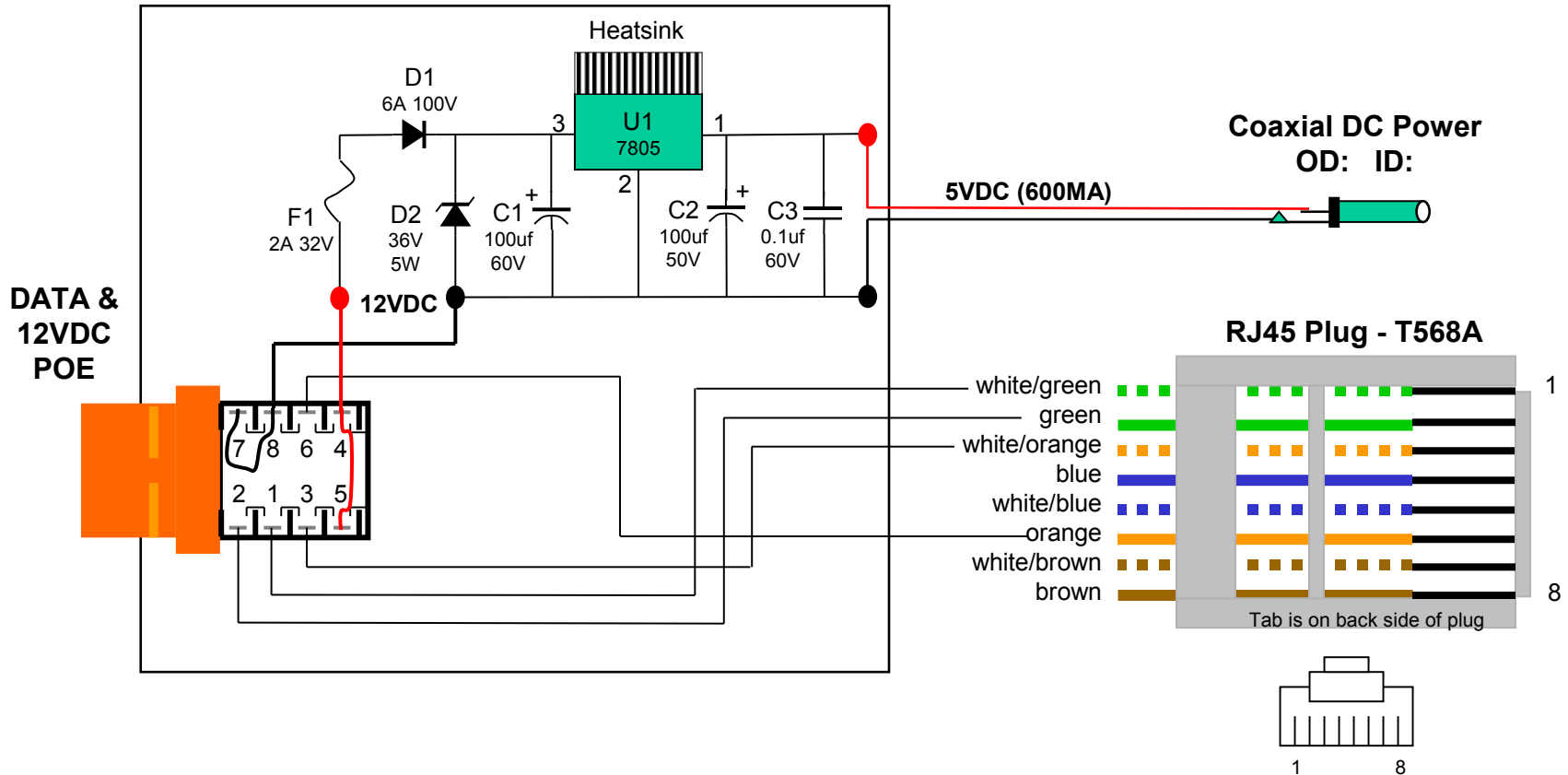
# Power Over Ethernet (POE)

## 12 VDC Power Injector

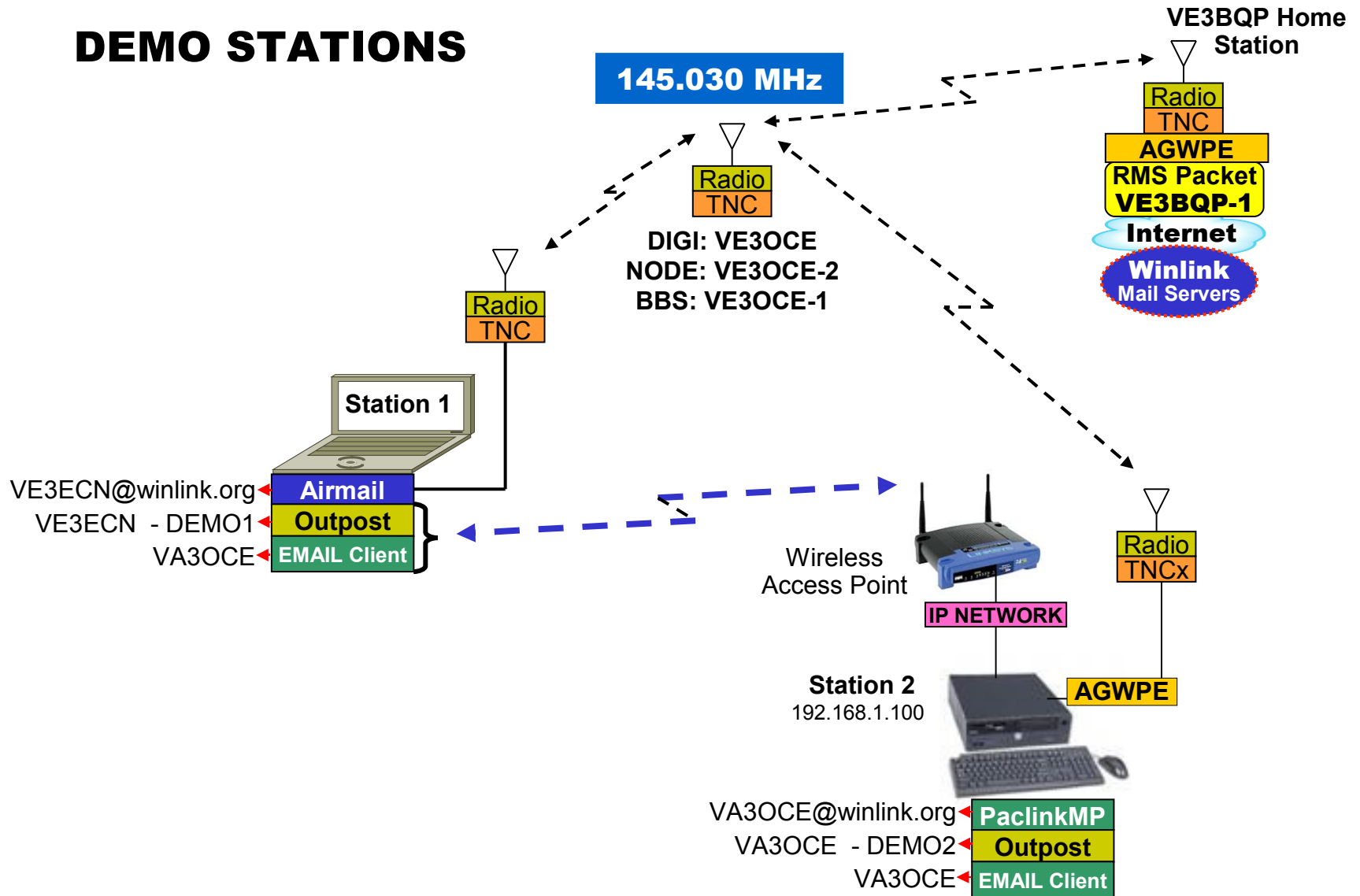


# Power Over Ethernet (POE)

## 5 VDC Power Supply



# DEMO STATIONS



# DEMO STATIONS

