
	EMERGENCY MEASURES RADIO GROUP
	OTTAWA ARES

Two Names - One Group - One Purpose

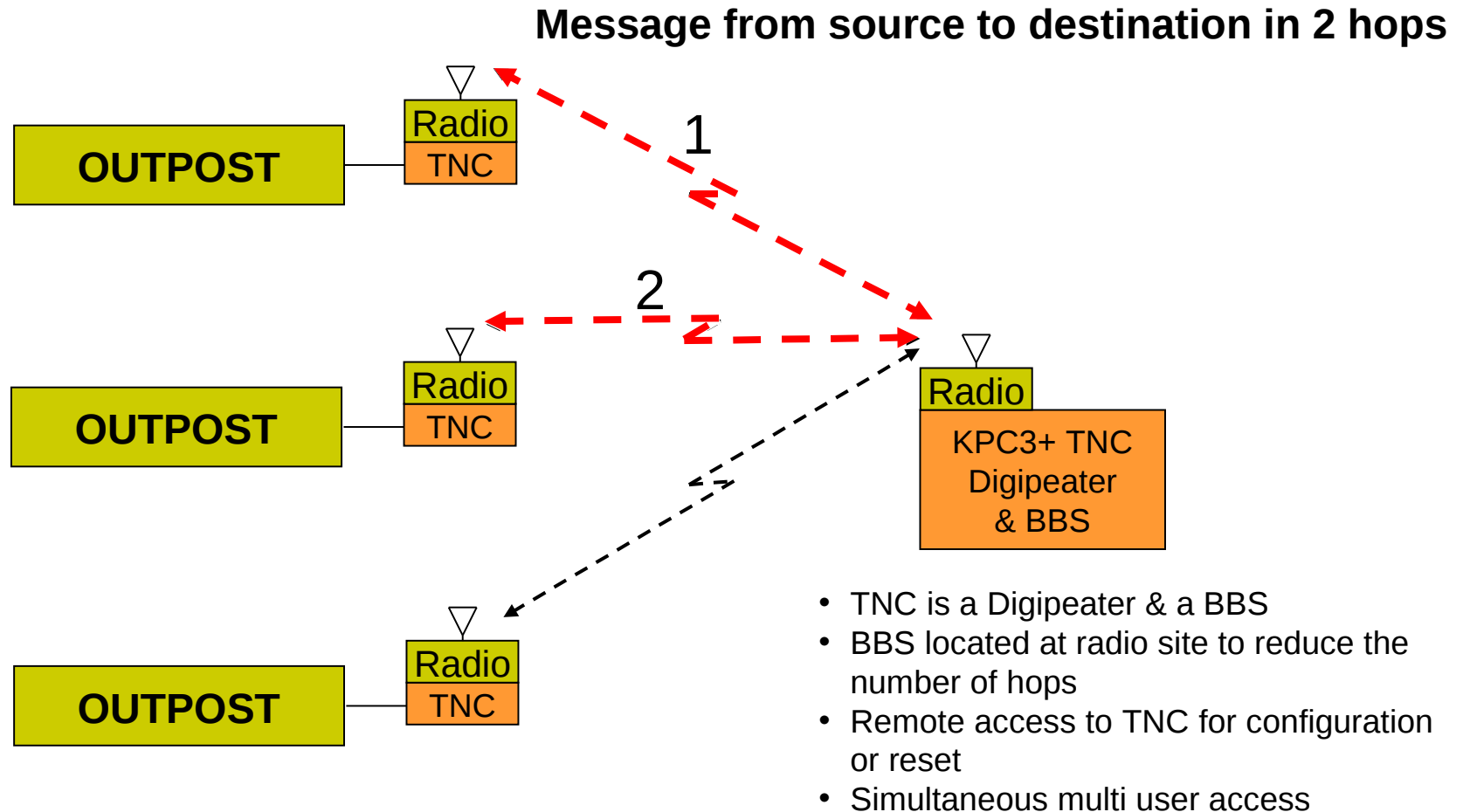
Amateur Radio Data Communications DEMO NETWORK

PURPOSE

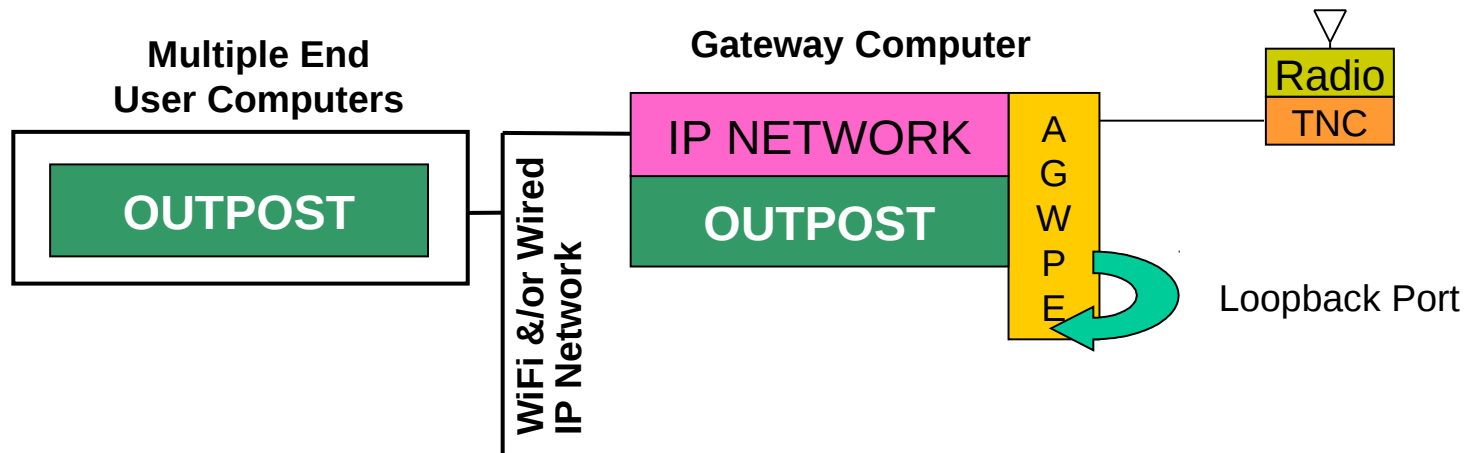
- The purpose of the Technology Demo is to show people some of the things that EMRG is working on, and some ideas that are possible based on available technology .
- Hopefully some people will take some of these ideas, or get ideas of their own, and experiment to find solutions that can be applied to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

BASIC DATA COMMUNICATIONS

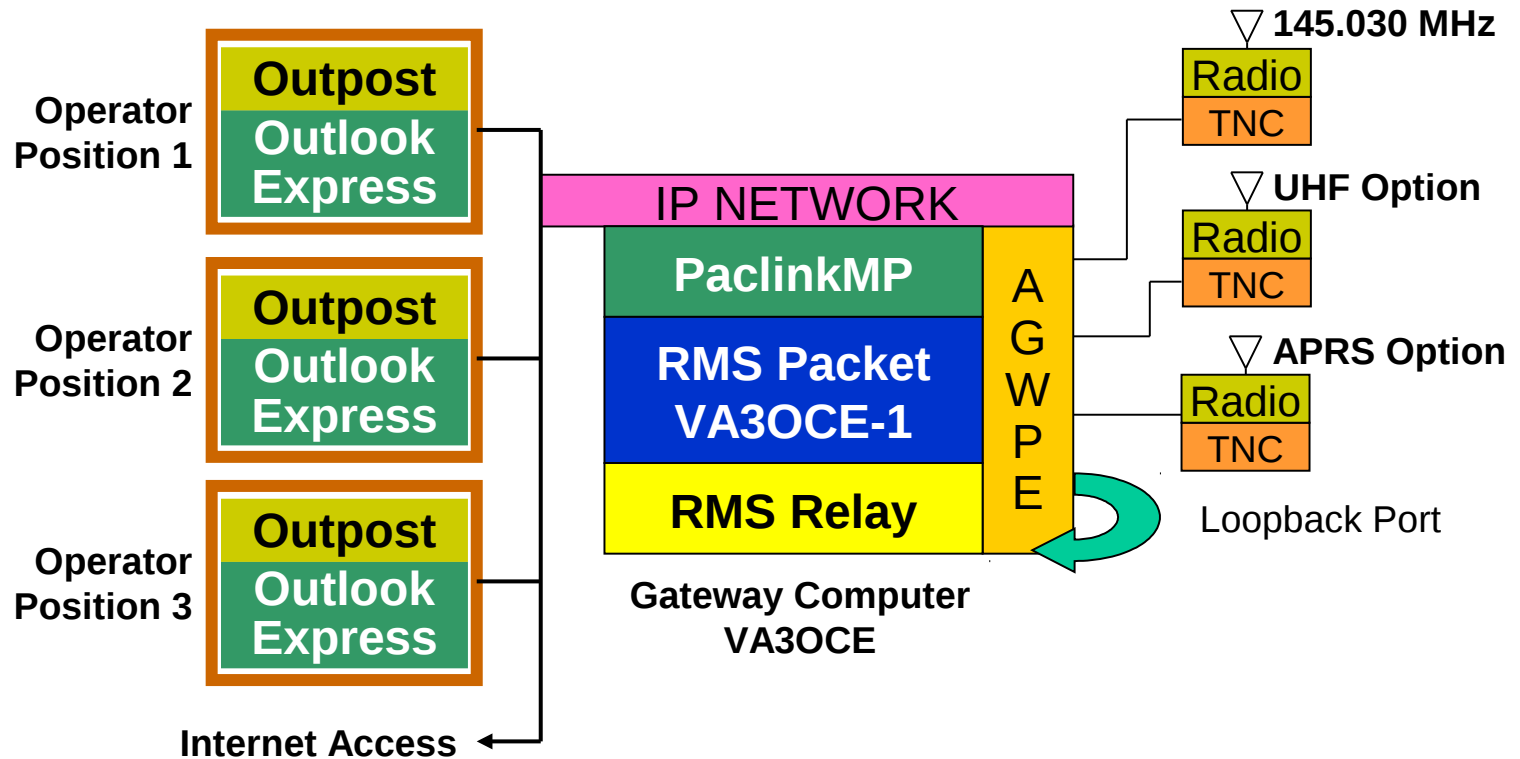
Outpost & TNC BBS



OUTPOST WITH AGWPE

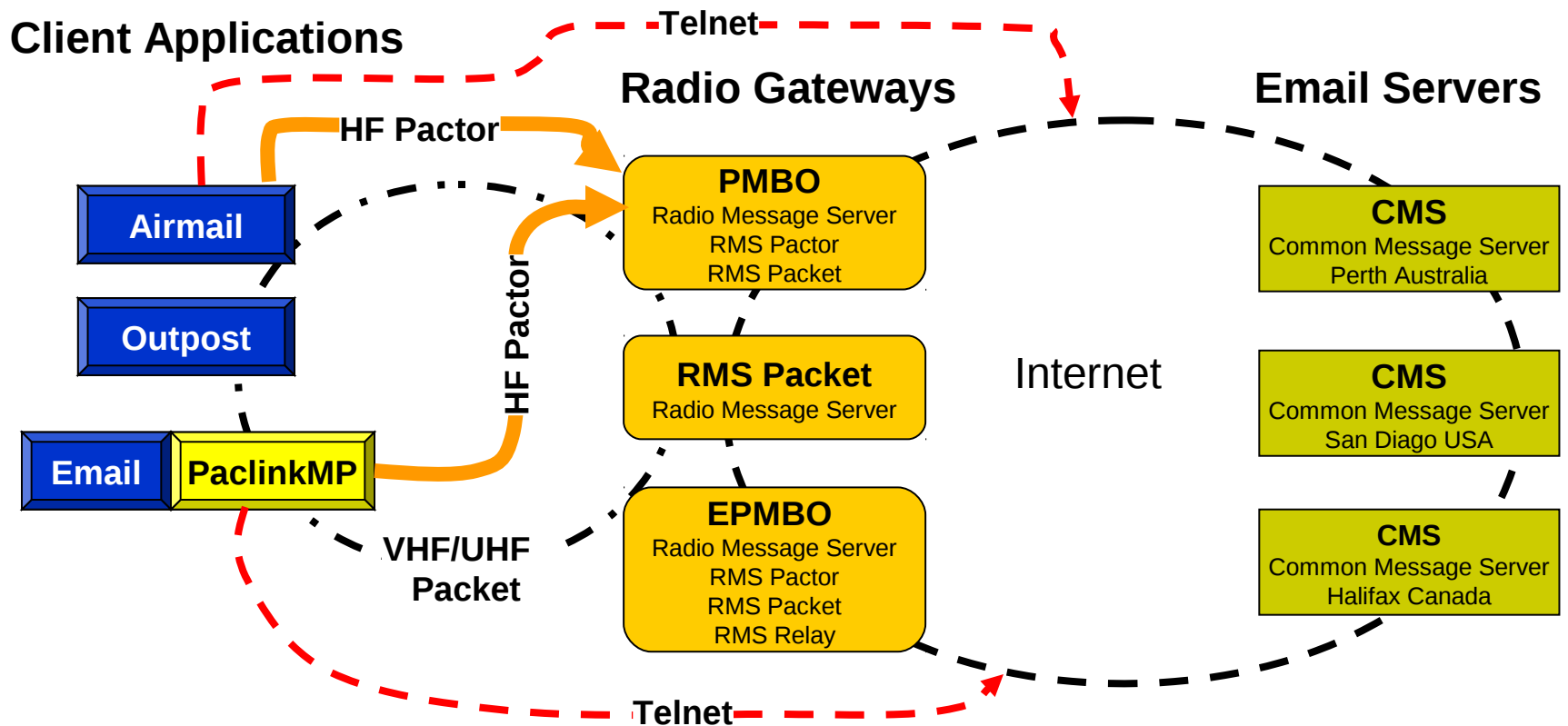


AGWPE APPLICATIONS

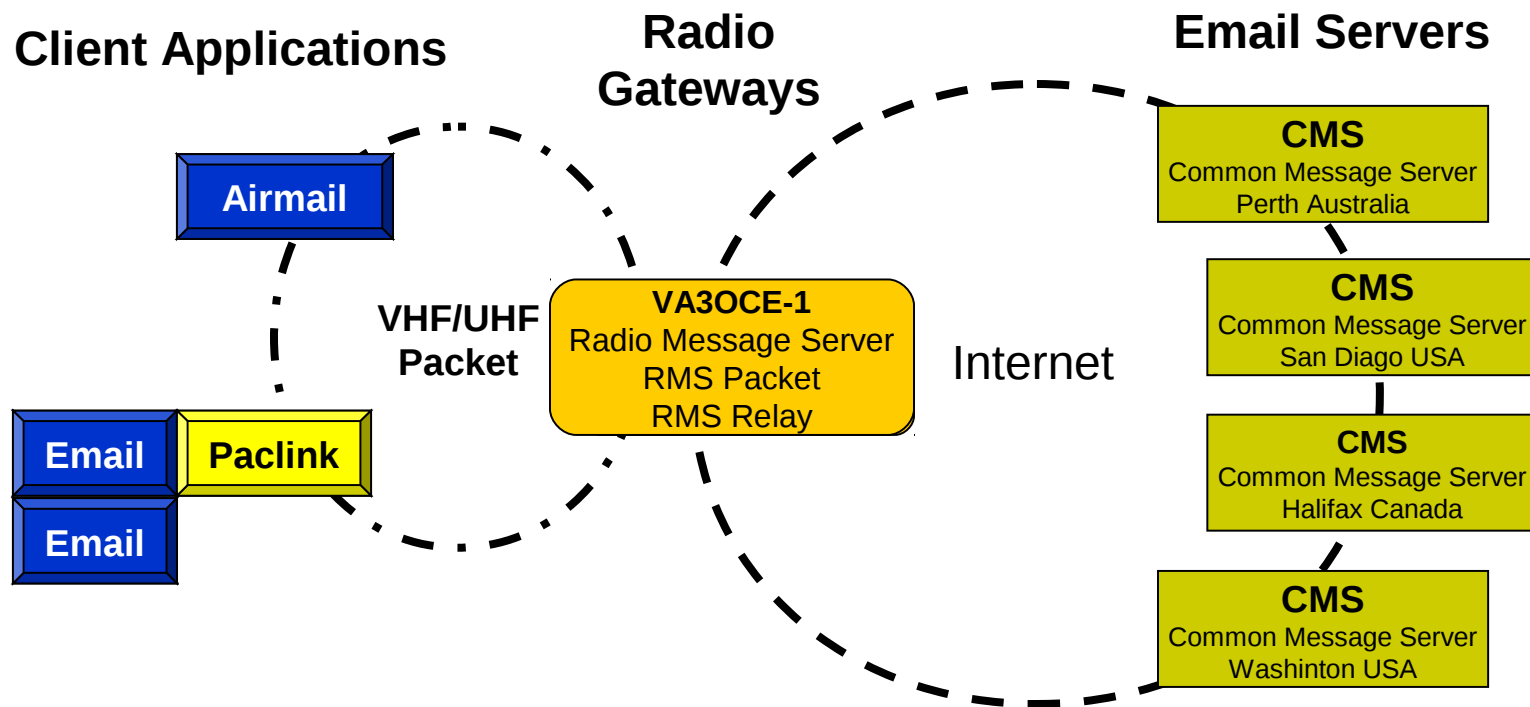


Winlink 2000

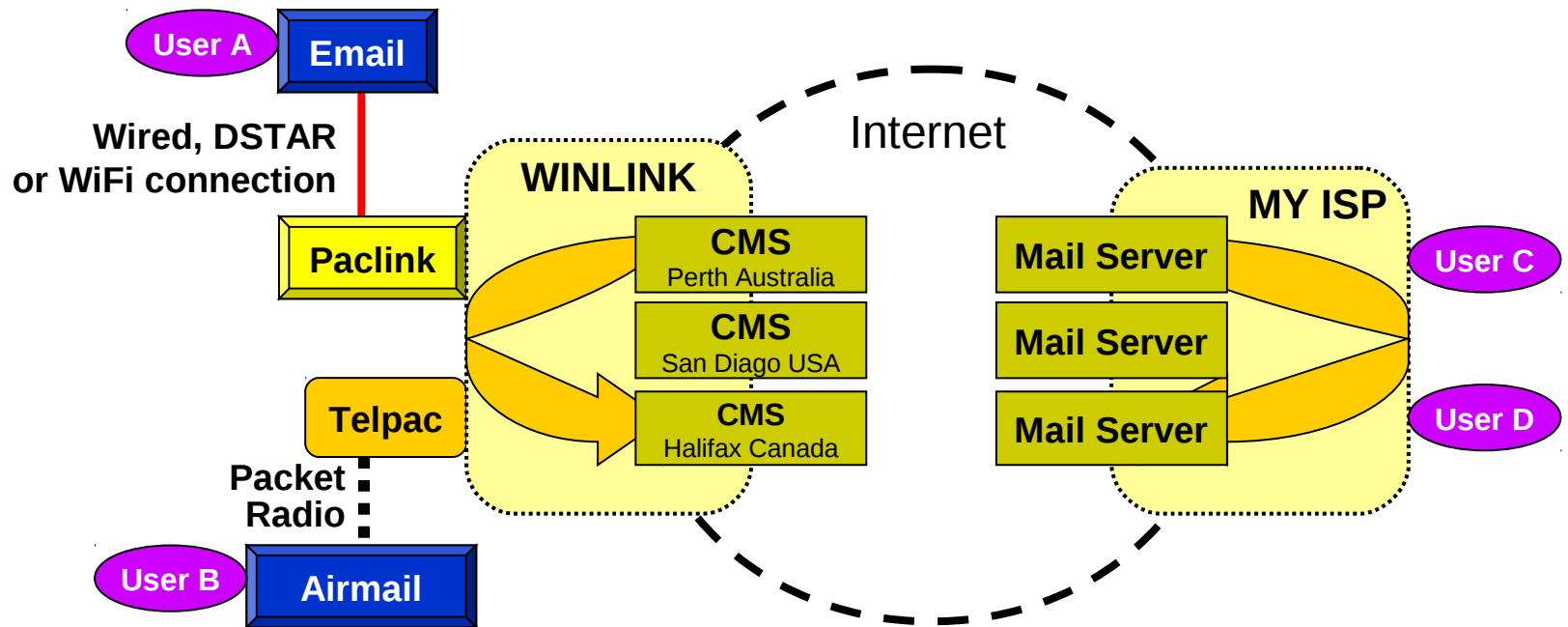
Winlink 2000 is an Email System made up of 3 components;



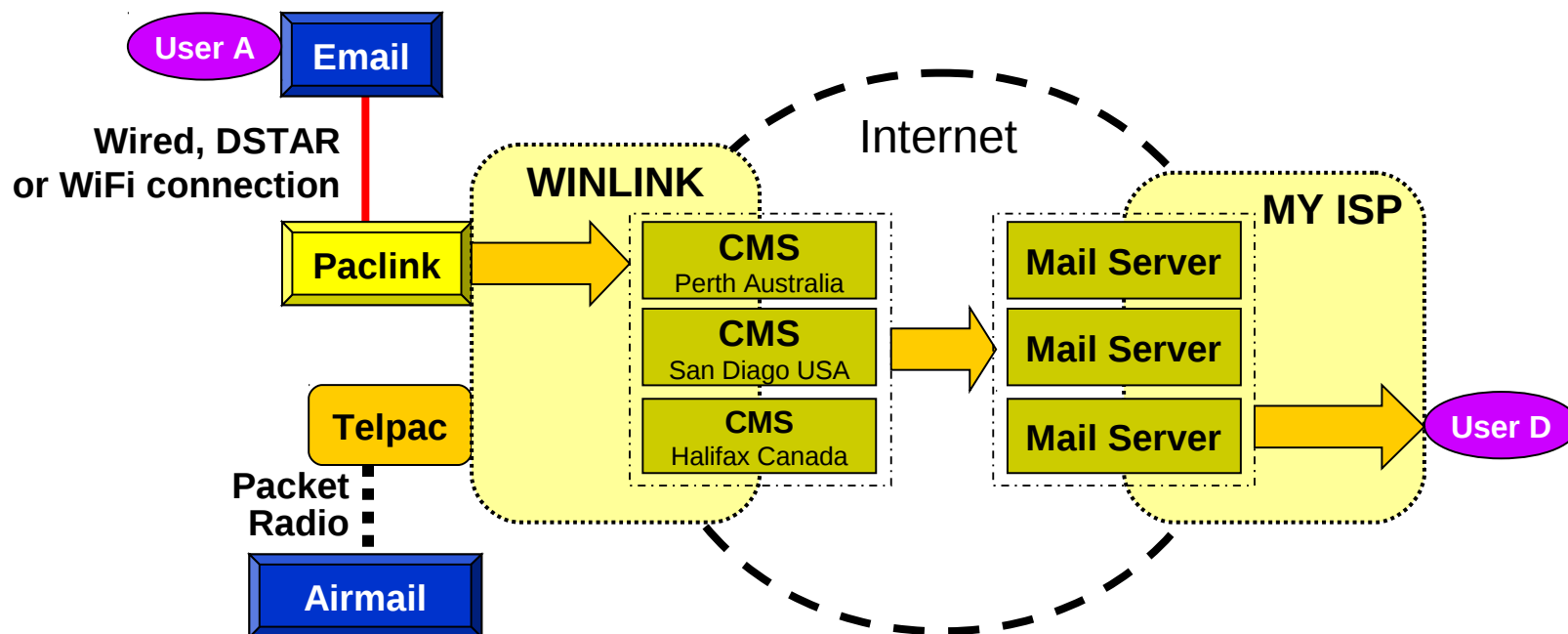
TYPICAL WINLINK SYSTEM



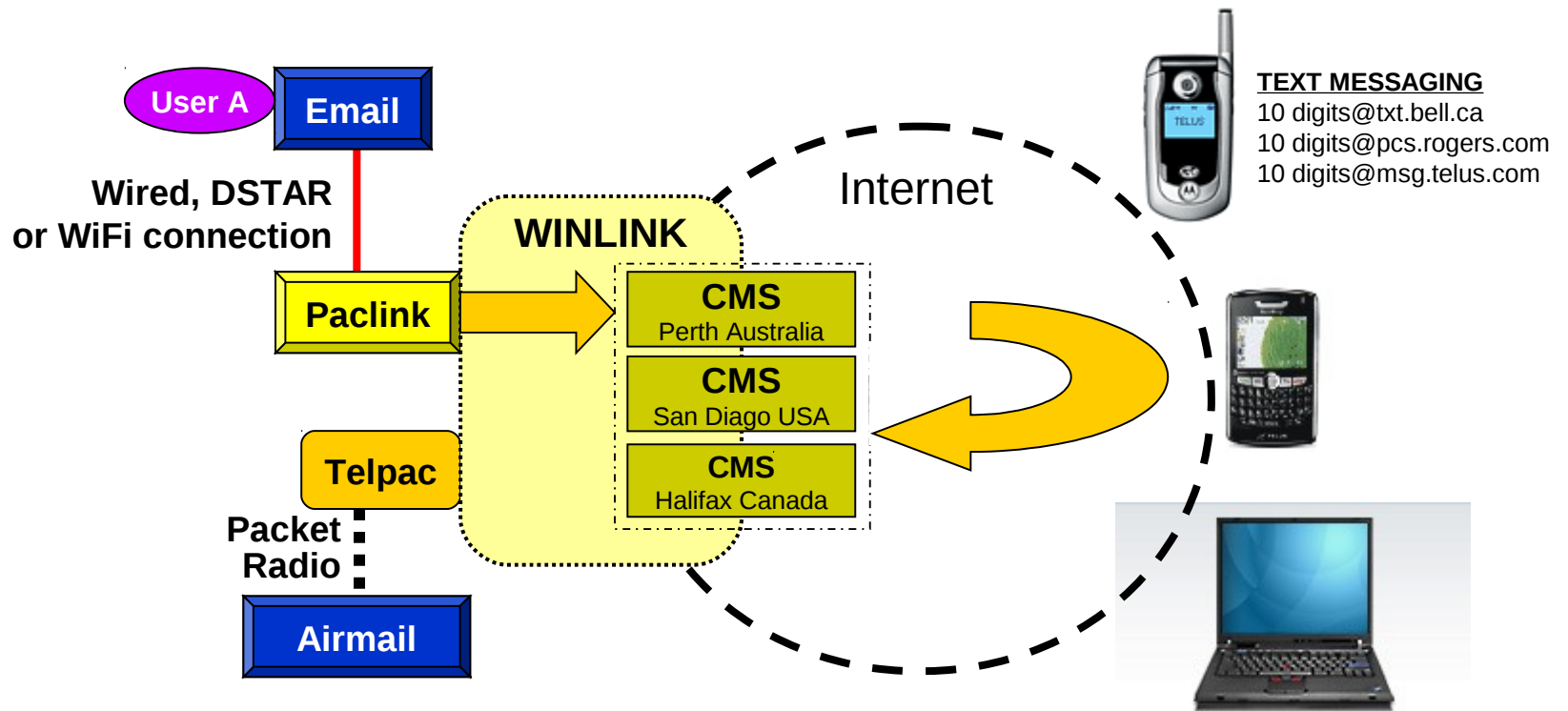
WINLINK LIKE AN ISP



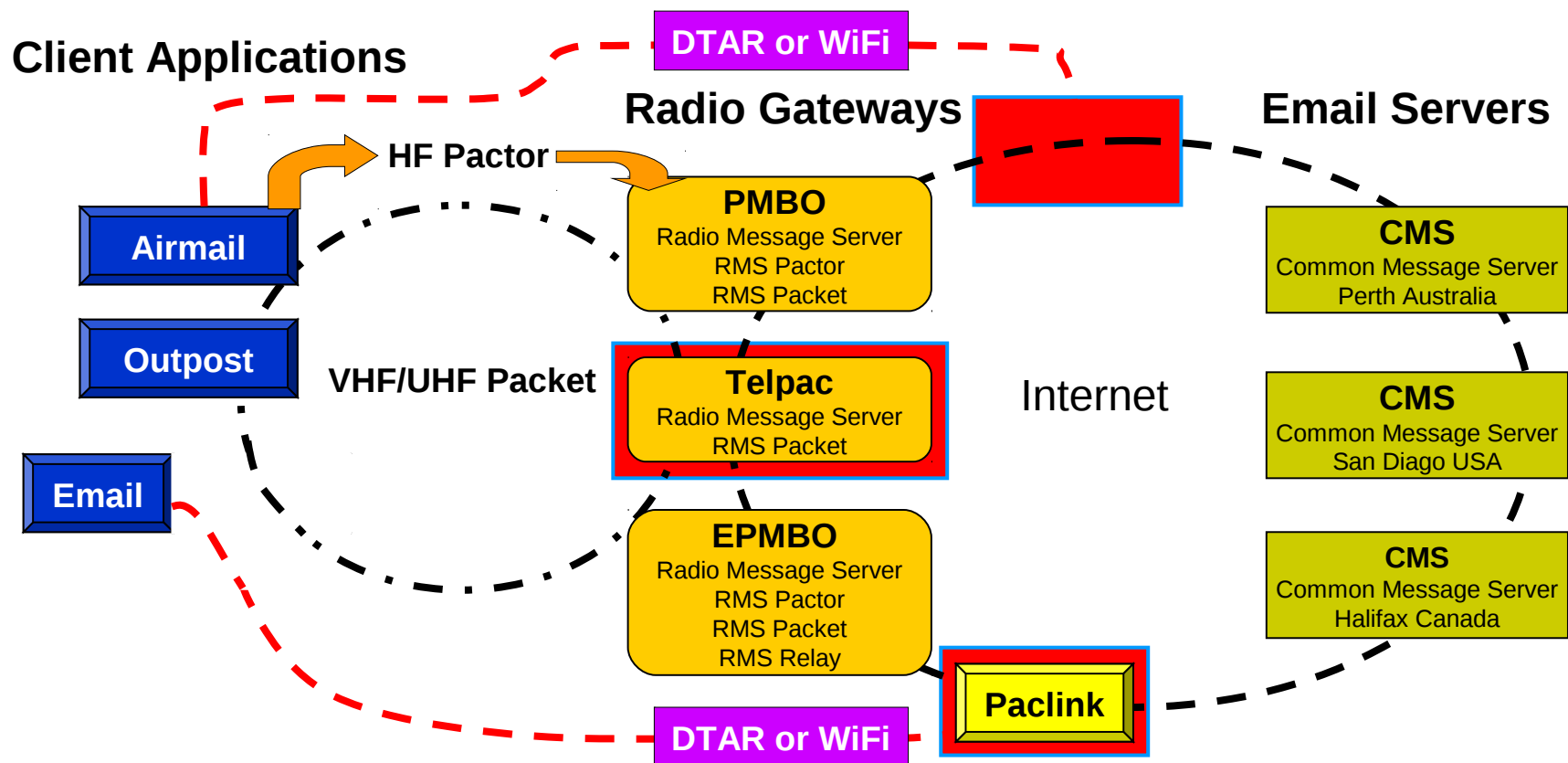
WINLINK TO “MY ISP”



WINLINK TO ANY EMAIL



DSTAR & WiFi



Voice over IP (VoIP)



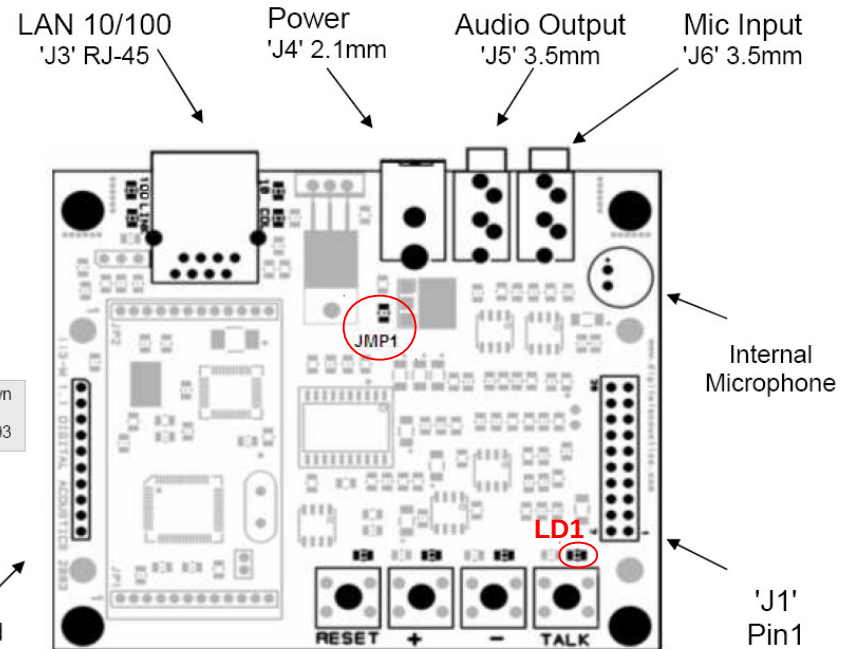
The system is made up of 2 ii3 VoIP Intercom units, configured for Peer to Peer mode, with one as a Client and the other as a server.

Voice over IP Standalone Audio Interface

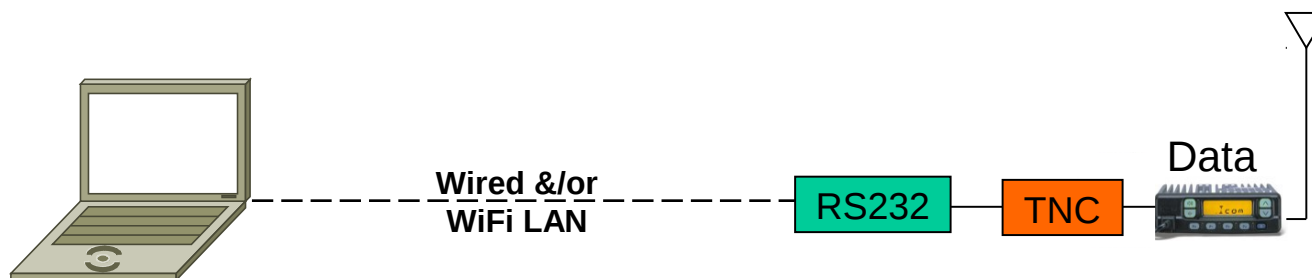


Version shown
ii3-M
Released 6-03

'J2'
Reserved

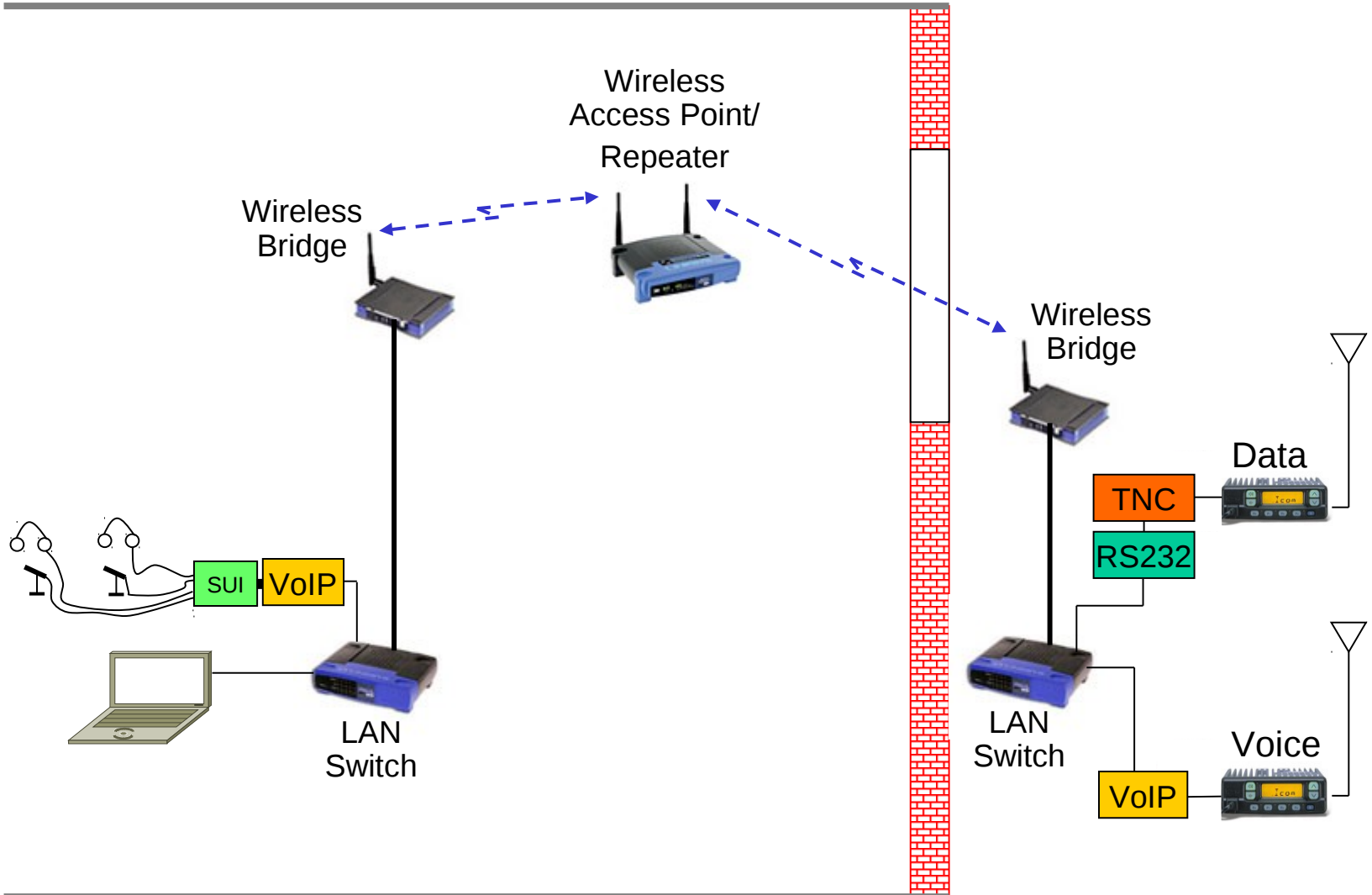


RS232 Serial Extension



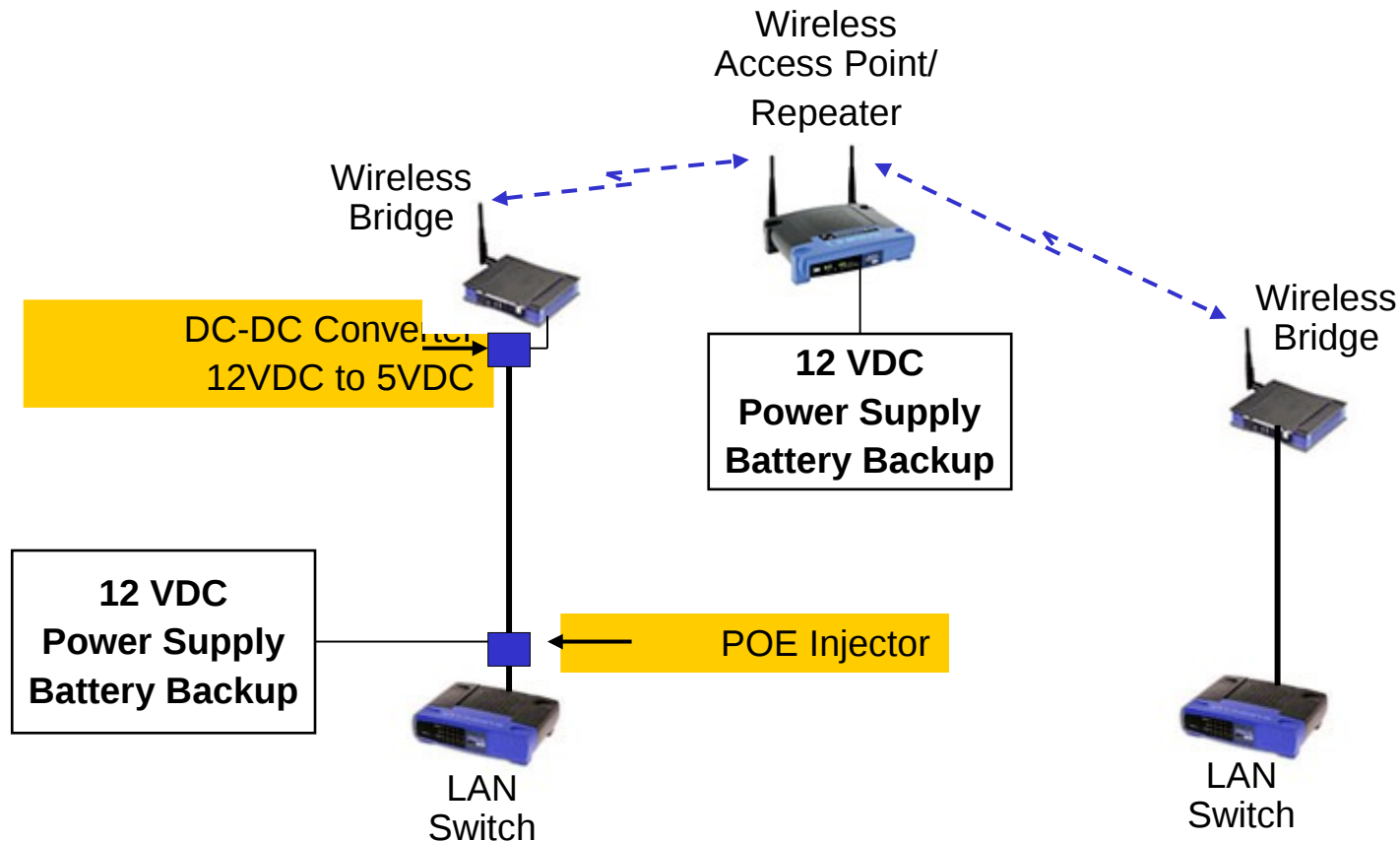
**Serial Communications
RS232 Over Ethernet**

Sealed Buildings

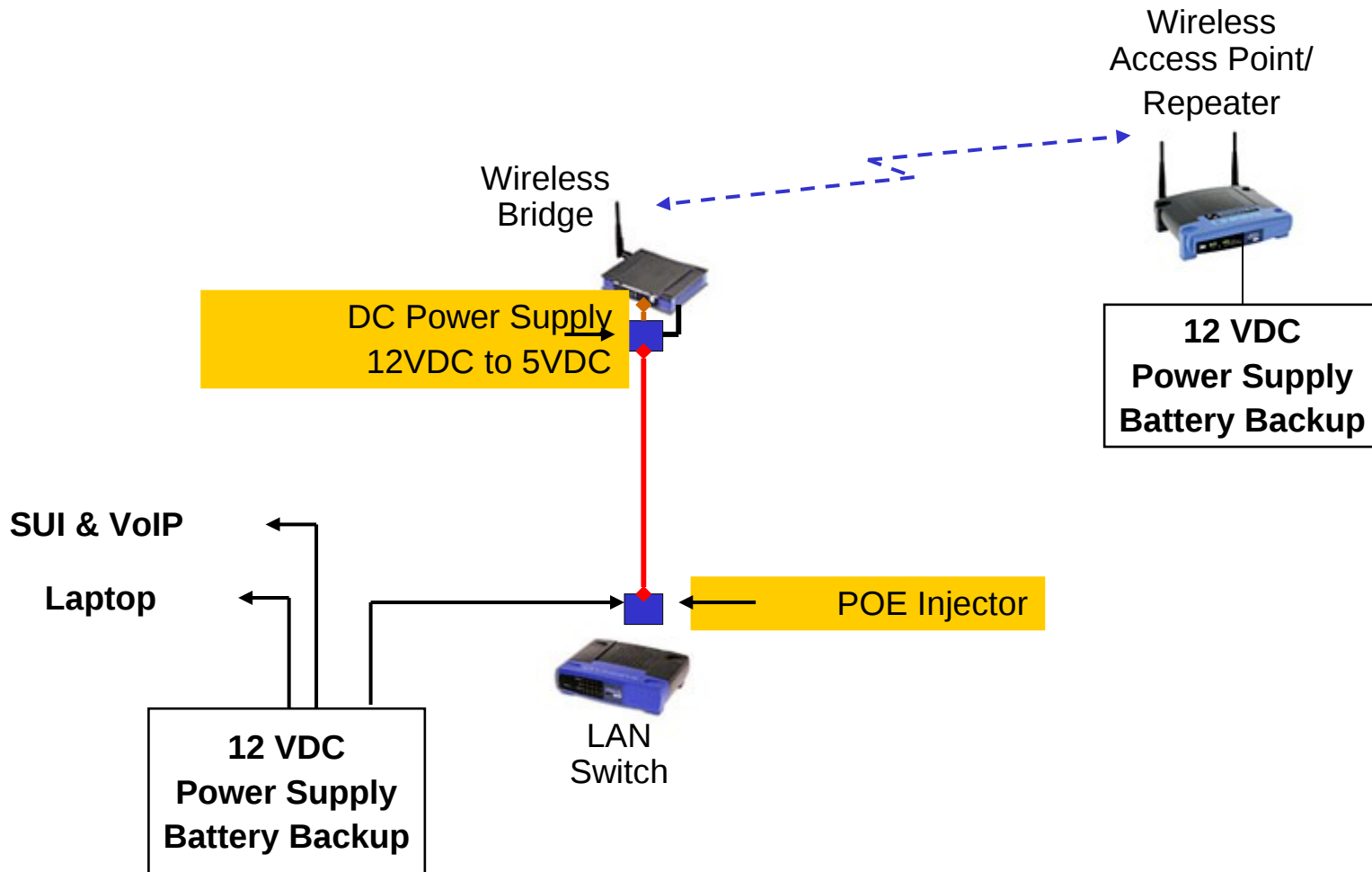


Computers Inside, while Radios & “Appliance” Devices are Outside

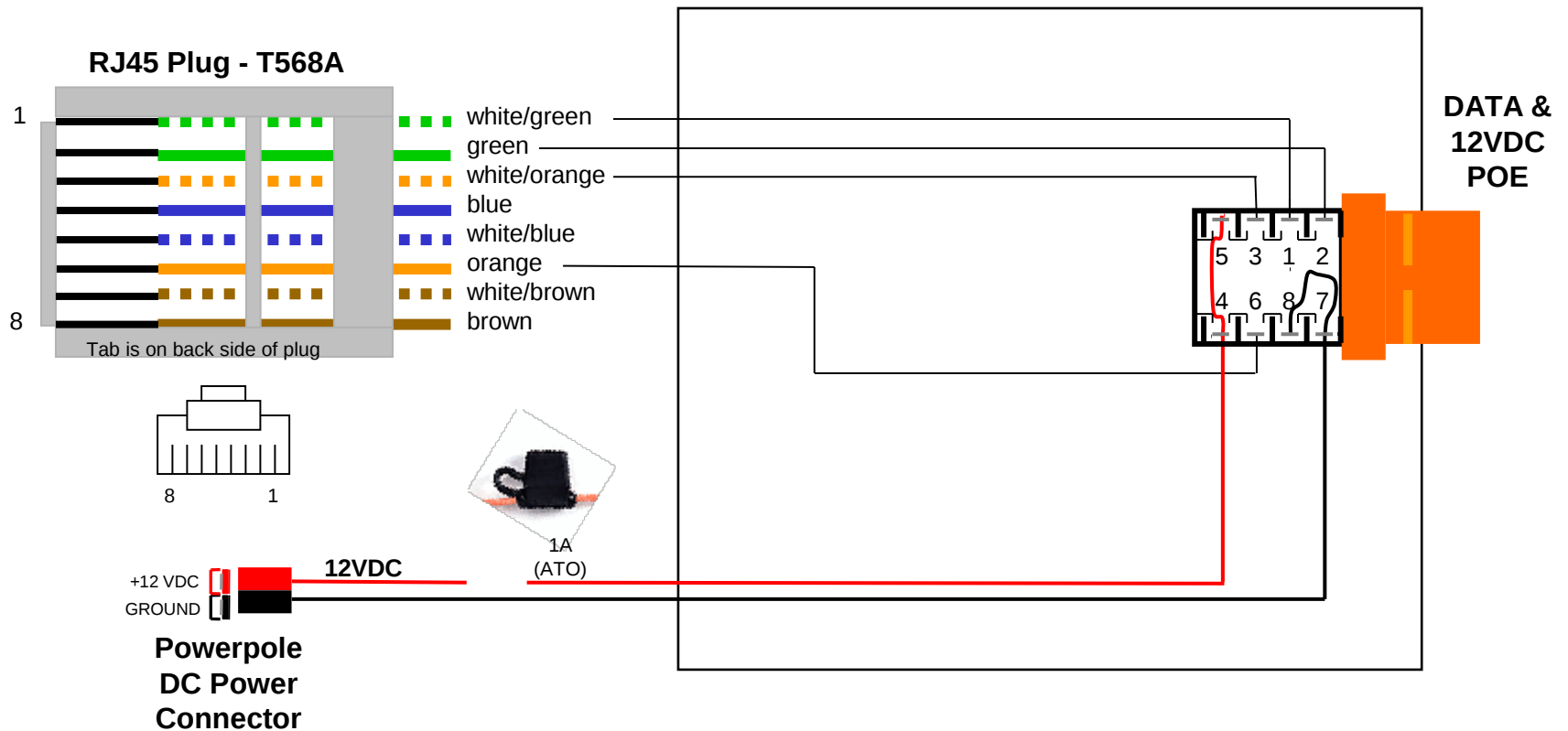
POWERING THE LAN



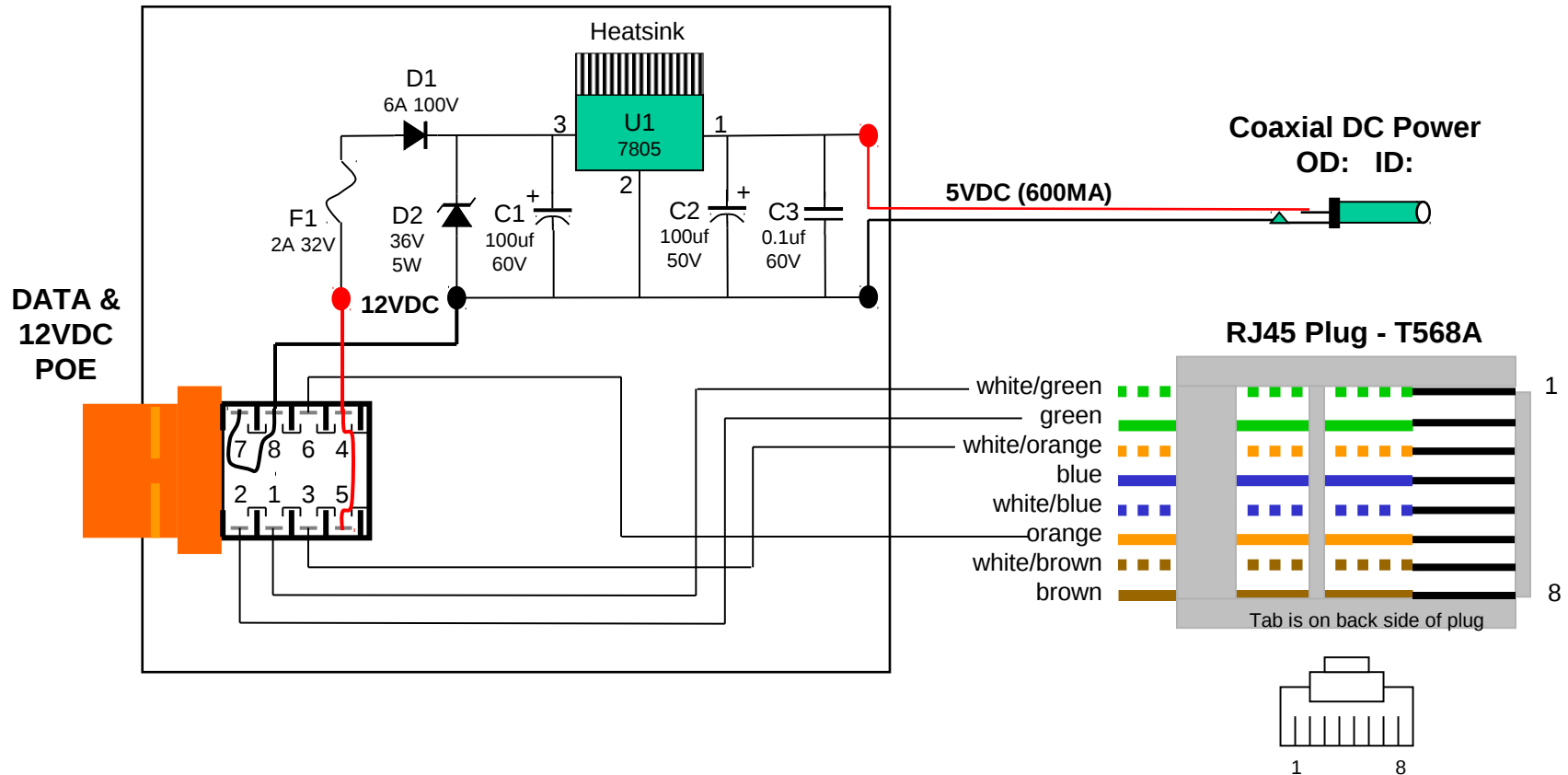
POWERING THE LAN



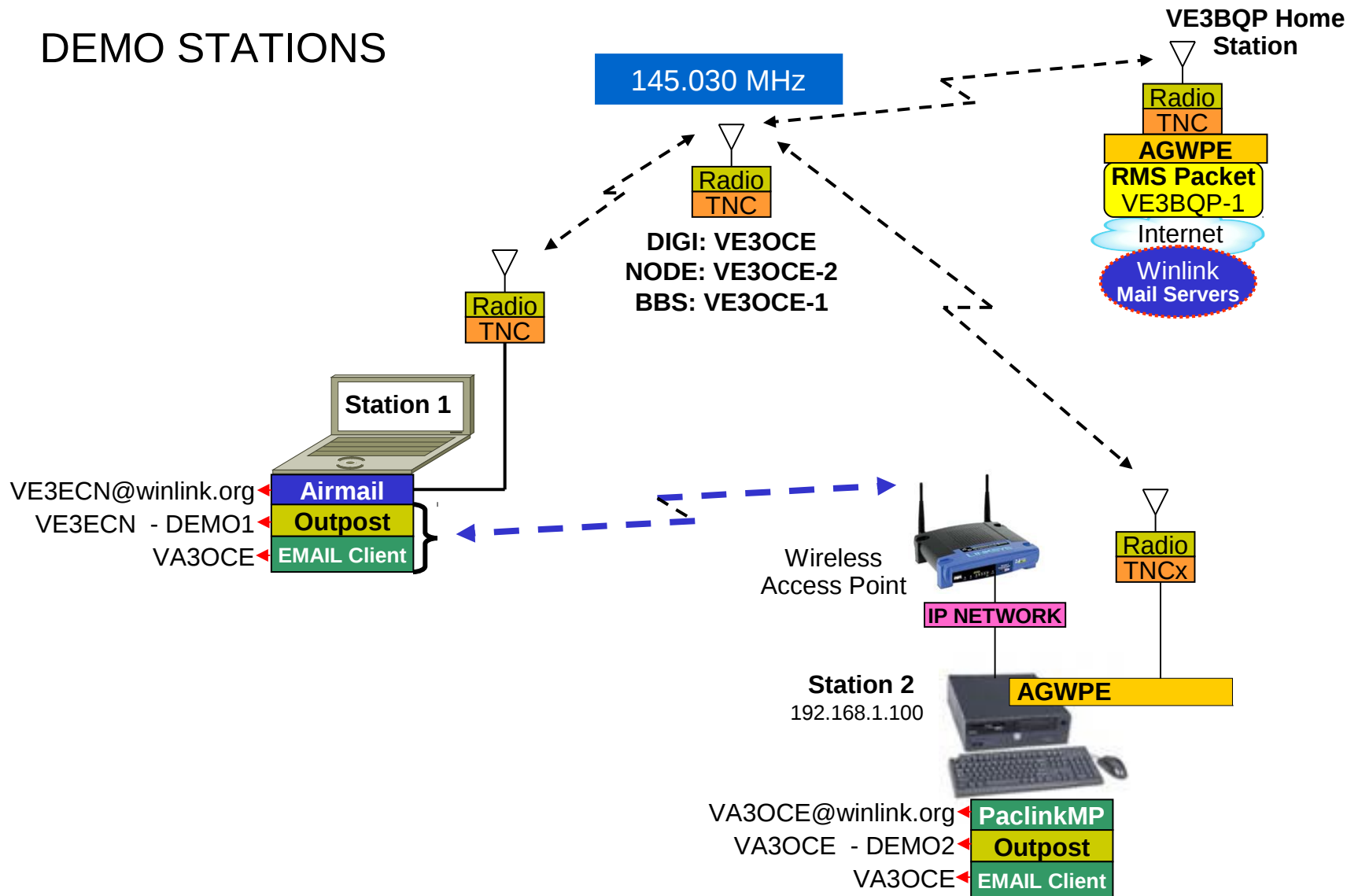
Power Over Ethernet (POE) 12 VDC Power Injector



Power Over Ethernet (POE) 5 VDC Power Supply



DEMO STATIONS



DEMO STATIONS

