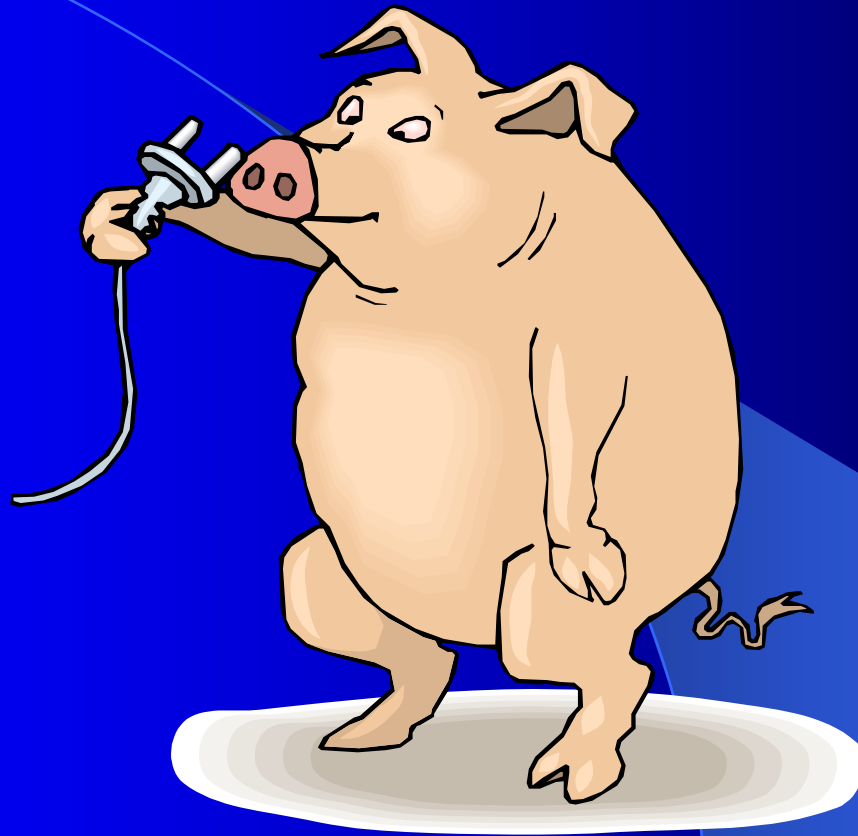


Hello, Seek You, Seek You!





Digital Radio And Emergency Communications



Why Digital??

Voice, Morse or Radiograms quite often will not do for complex messages

Why Not??

- Text Only
- Somewhat Slow
- Translation Often Required
- Prone to Error
- No Permanent Record

What Do We Do??

- Winlink!!
- Preferred by many
- Endorsed by ARRL/ARES
- Accepted by many EMCOM users
- Endorsed by GAARES
- Proven by many years of use

What Is Winlink??

- WL2K is not a computer program itself but a system of applications compatible with email
- Allows accurate transfer of messages within a reasonably short time frame
- Uses internet whenever available
- Uses radio when non-radio path is not available
- Maintained by a team of dedicated volunteers

Winlink

- Original purpose to provide long range radio system for amateurs without access to email
- First used by ham boaters and RVers also missionaries and medical providers in Third World Countries
- Adopted by EMCOM for partial backup of email service during local comm outages

Winlink Applications

- Winlink Express (Client Program)
- Telnet (Internet)
- RMS Packet (VHF/UHF Digital Server)
- RMS (Radio Message Server)
- CMS (Central Message Server Internet Only)

Winlink Express

- Radio and Internet Capable Program
- Less expensive alternative to Pactor
- Many qualities similar to email
- Requires computer, interface and radio

Central Message Server

- Four CMS Sites Worldwide
- All four sites are continuously synchronized
- Telnet (Internet) accessible only

RMS Packet

- Stand alone program to connect radio packet links to the internet
- Gateway between VHF/UHF packet and internet
- Requires radio, TNC, computer and internet for access

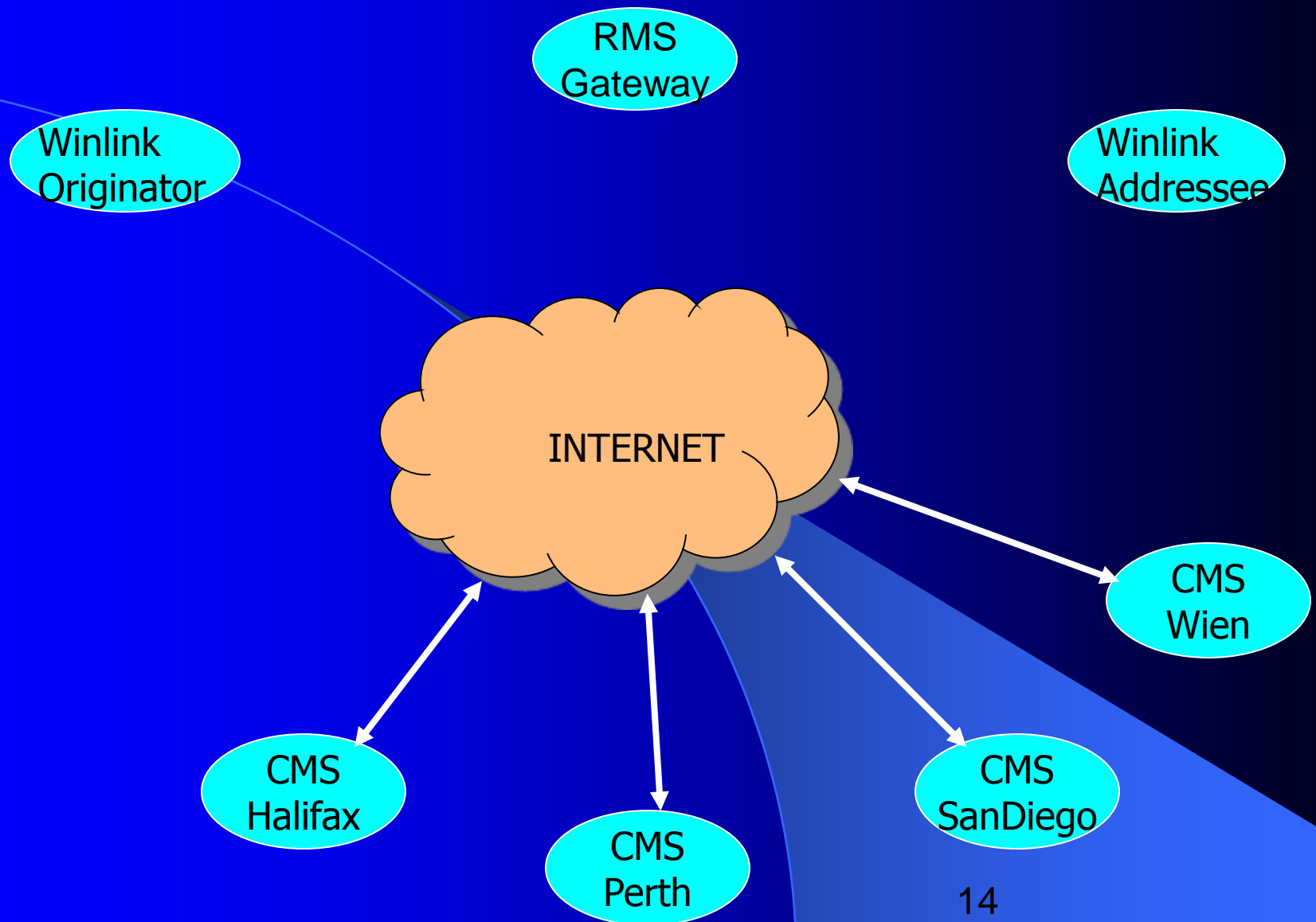
RMS Relay

- Serves as companion program to RMS Packet
- Provides temporary storage of local traffic in the event internet access is lost
- Provides local routing of messages during internet outage

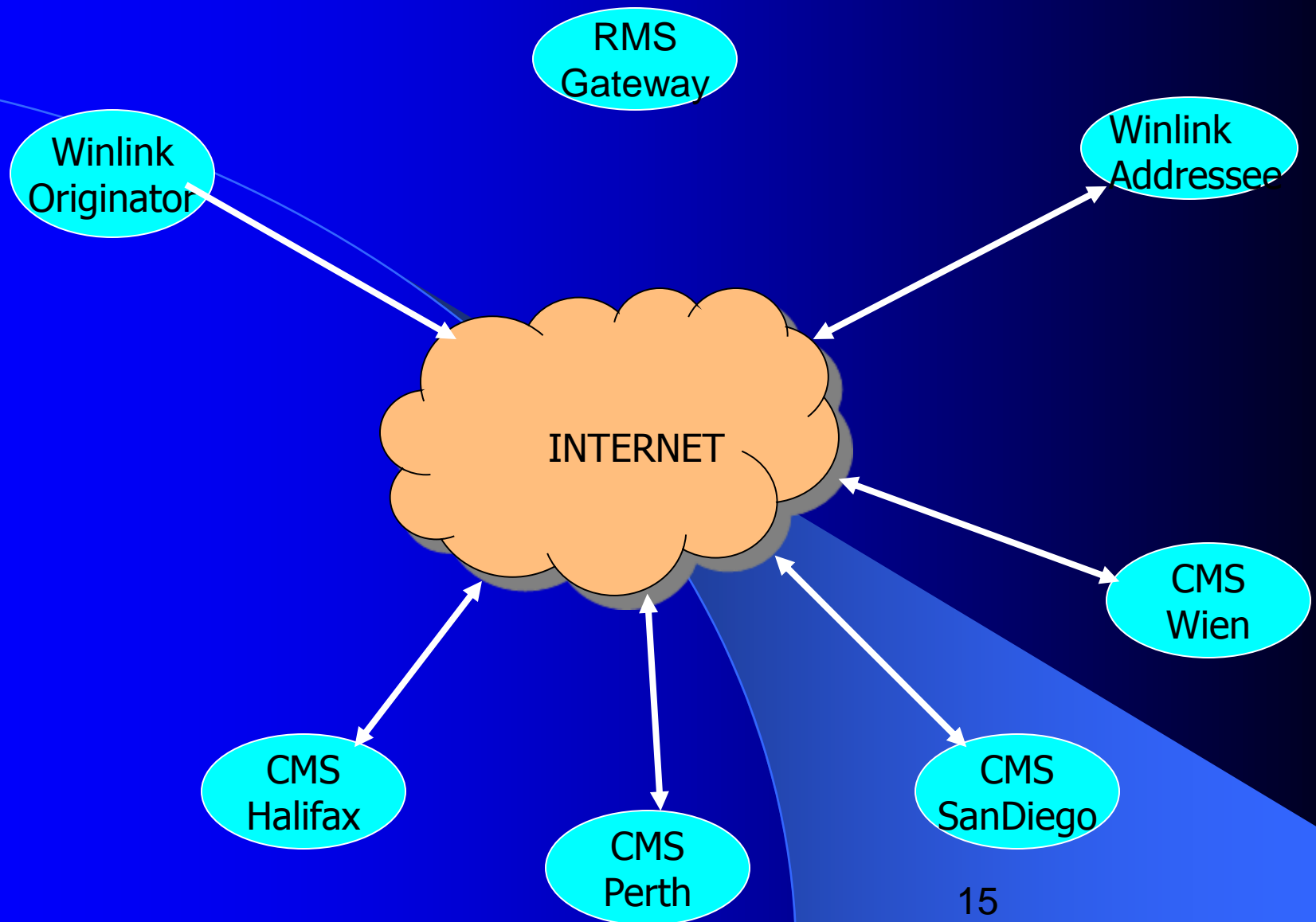
RMS Pactor

- Uses Proprietary modem
- Connects radio links to CMS
- Utilizes radio and modem
- Modem and license pretty expensive

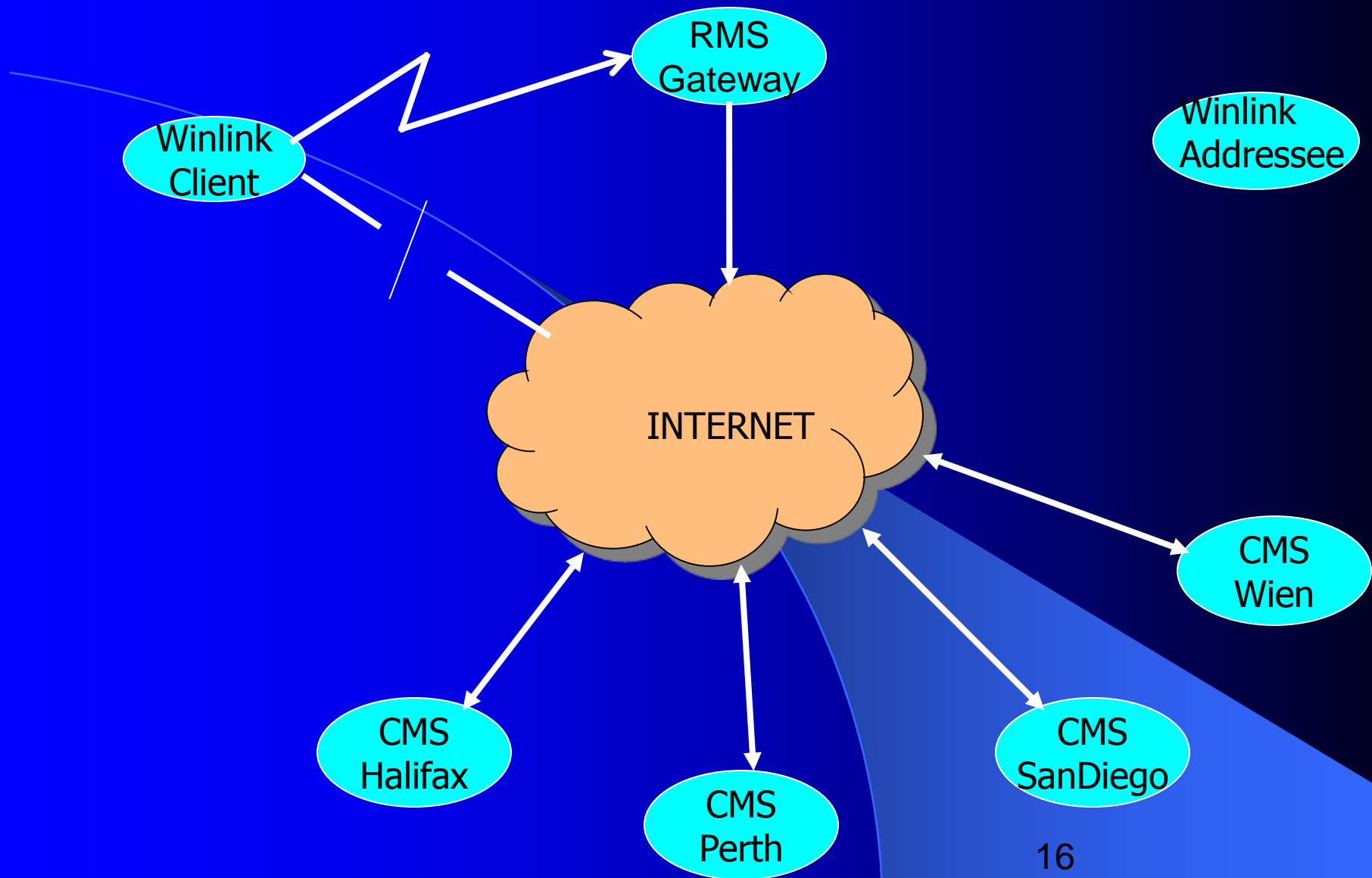
Components



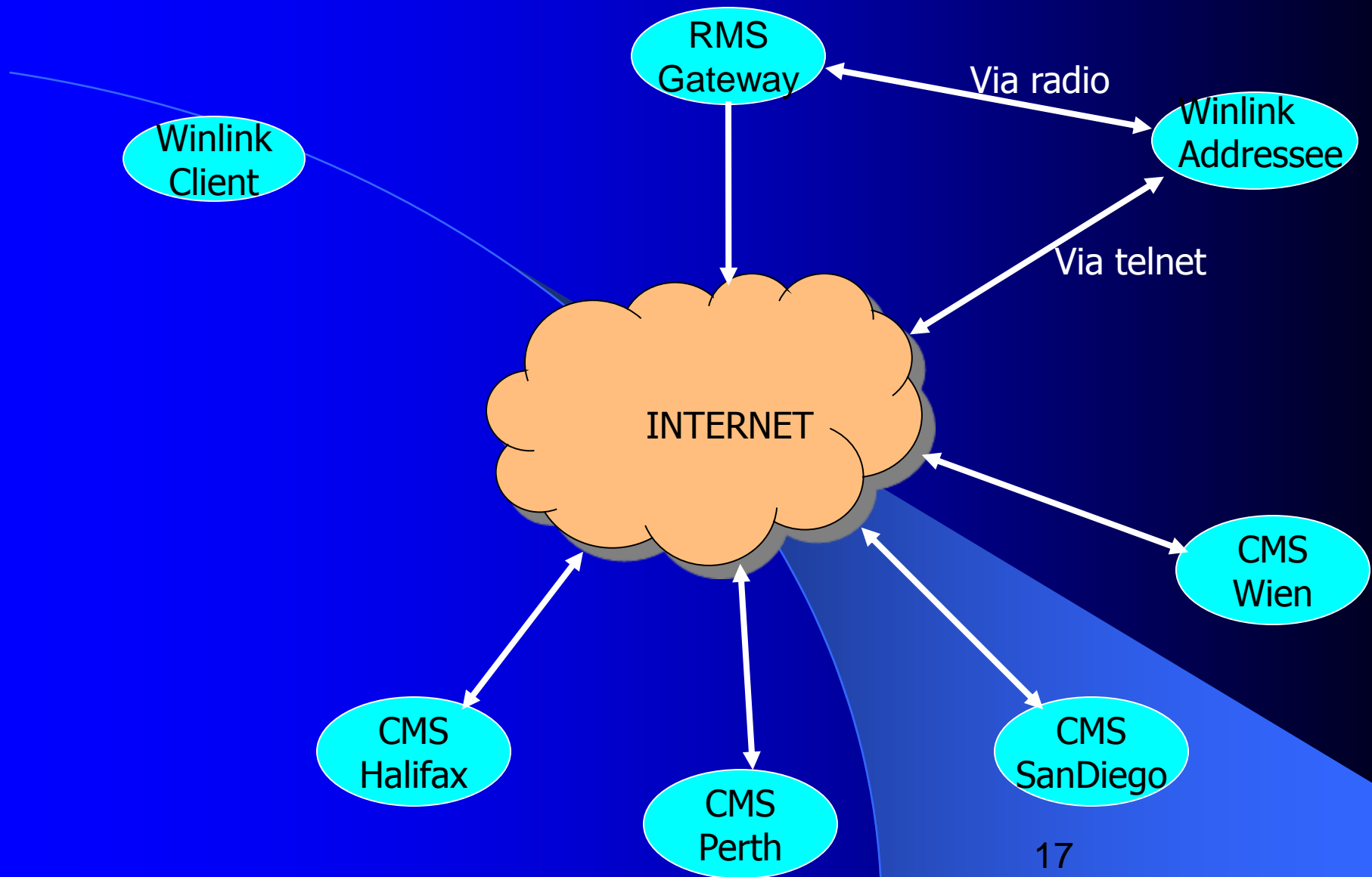
Sending via Telnet



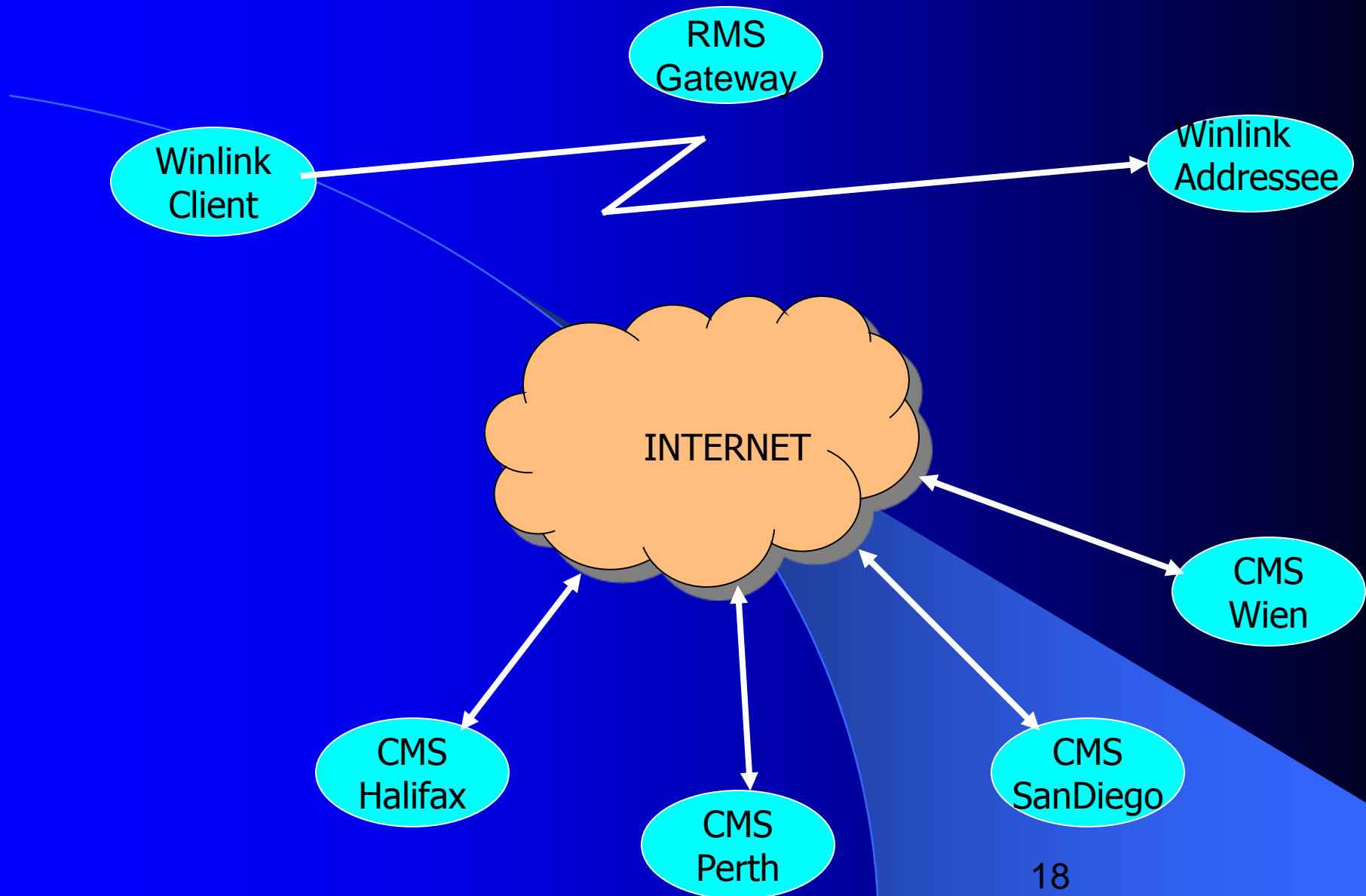
Sending via radio



Message Access



Peer to Peer via radio







Downloads

- Winlink Express: download from www.winlink.org

Yahoo Groups of Interest

Winlink_Programs_Group@yahoogroups.com

WINMOR@yahoogroups.com

wl2kemcomm@yahoogroups.com

The Three P's

- Planning

Plan what you need

- Preparation

Prepare what you Planned for

- Practice

Practice what you Planned and Prepared for