

Experimental license request for testing and development of an open source packet protocol using radio system to allow a unified communications system.

Packet protocol will contain various information and be designed for many applications.

Within the packet you will have the following regardless of application

- Transmitting radio call sign / license (if applicable)
- Transmitting radio type, make, model
- Destination for packet
- Origination of packet

The packet will include a set of control bytes and data to represent the following

- ACK, NACK
- Emergency
- No reply required
- Packet ID
- Thread ID

The payload packet will use a defined packet type and payload structure, such as identifying the packet type and data register.

This protocol will be designed as a variable length packet so as to minimize radio transition time.

Early work will use a keying system such as Audio FSK over an analog radio transmission.