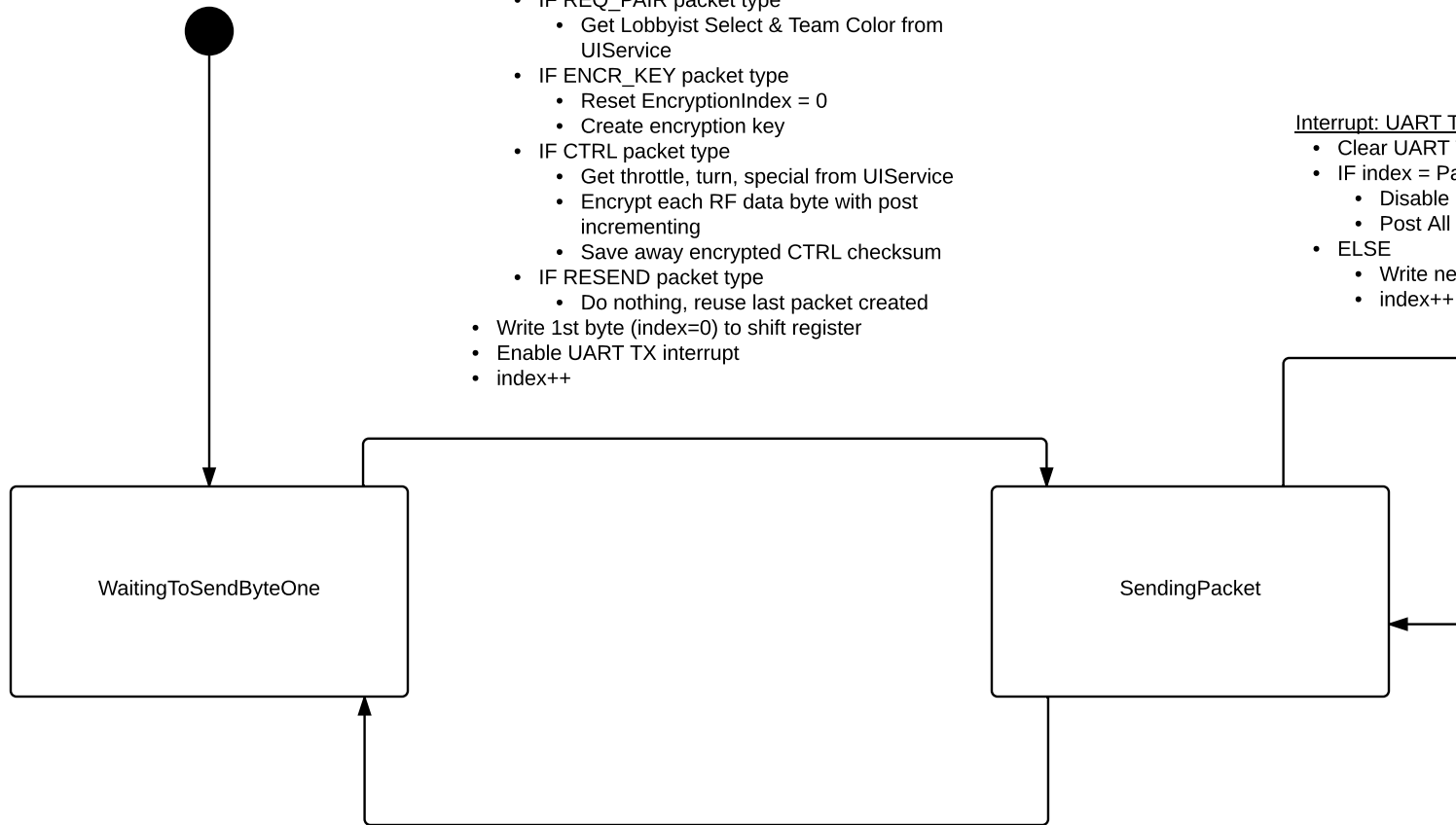


Event: Begin Transmit

- Construct packet & set PacketSize based on packet type request:
 - IF REQ_PAIR packet type
 - Get Lobbyist Select & Team Color from UIService
 - IF ENCR_KEY packet type
 - Reset EncryptionIndex = 0
 - Create encryption key
 - IF CTRL packet type
 - Get throttle, turn, special from UIService
 - Encrypt each RF data byte with post incrementing
 - Save away encrypted CTRL checksum
 - IF RESEND packet type
 - Do nothing, reuse last packet created
- Write 1st byte (index=0) to shift register
- Enable UART TX interrupt
- index++

Interrupt: UART TX

- Clear UART TX interrupt
- IF index = PacketSize
 - Disable UART TX interrupt
 - Post All Bytes Sent event to this service
- ELSE
 - Write next byte to shift register
 - index++

Event: All Bytes Sent