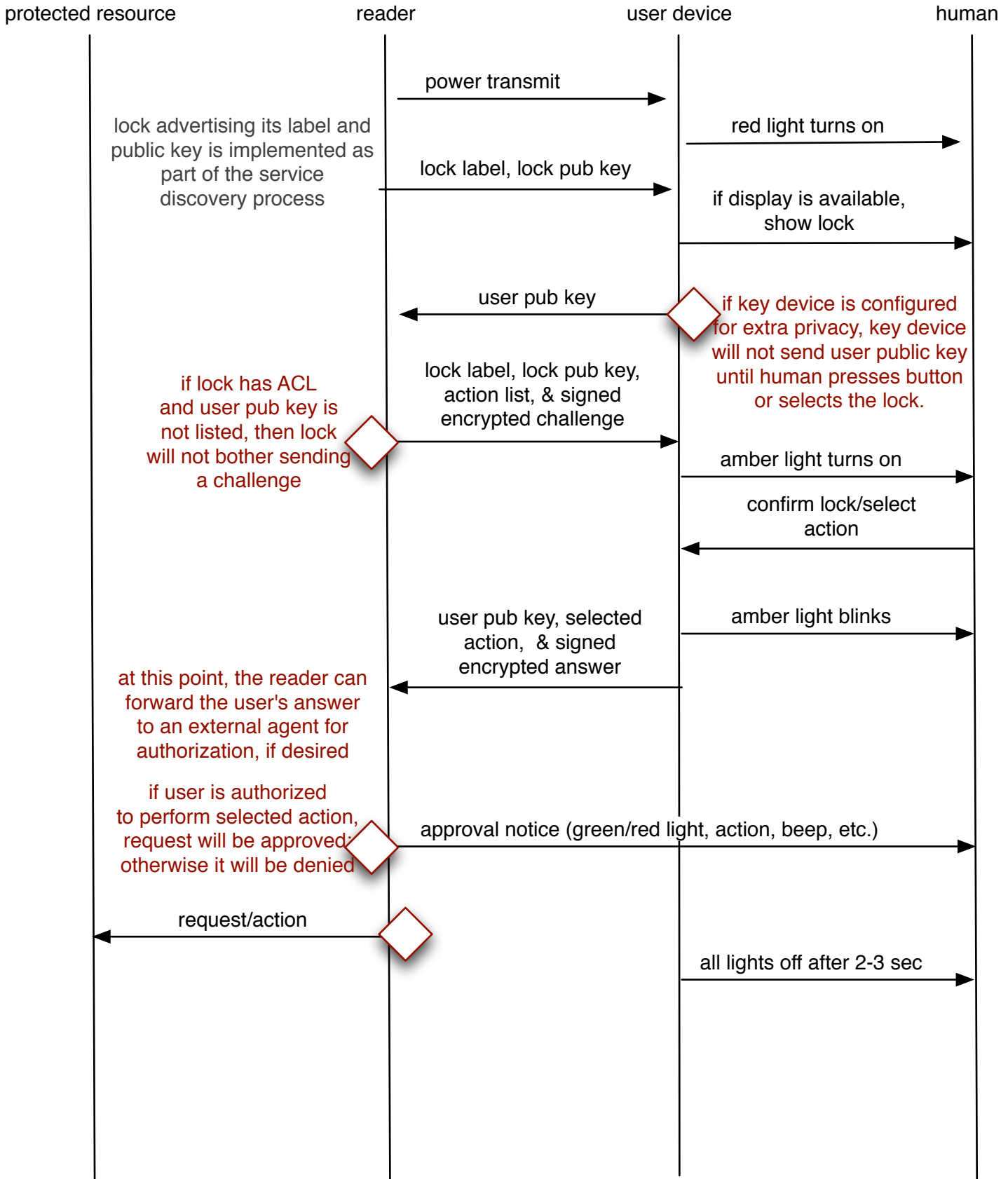
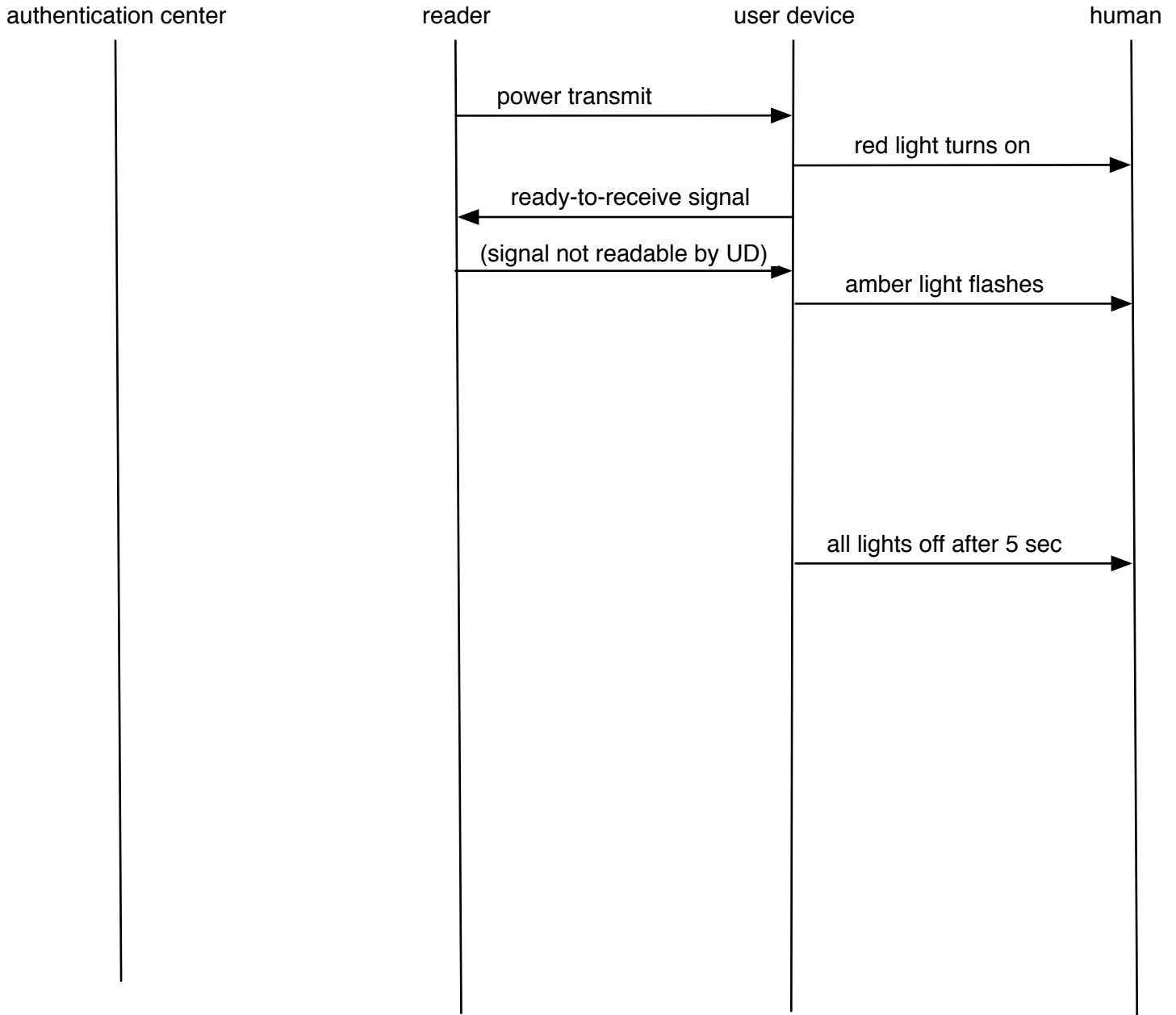


# Flow of data and messages during authentication for PassFree systems

last modified 14 Jan 2008

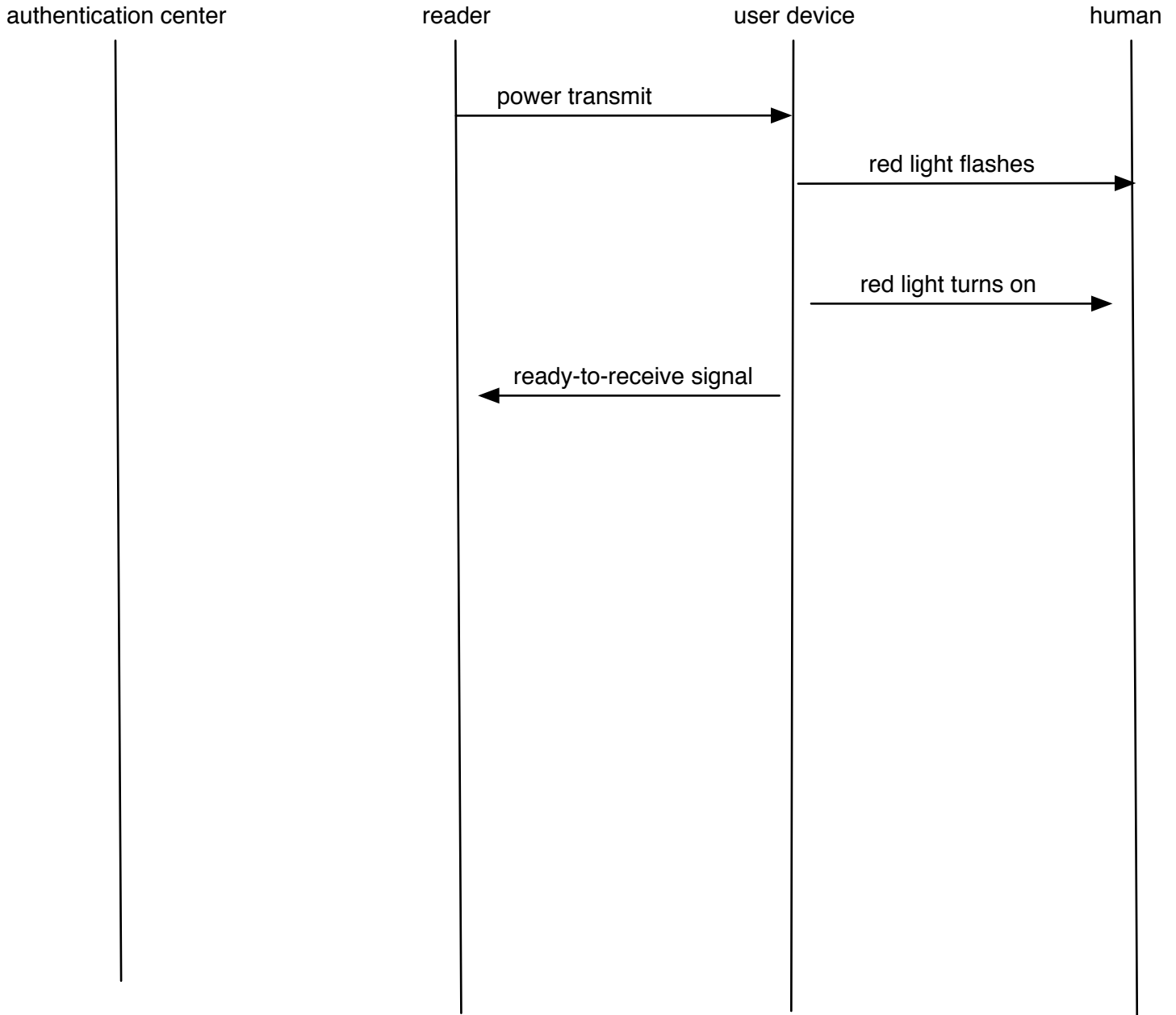


# communication error between user device and reader...



repeat ready-to-receive/signal-not-readable/amber-light-flashes until communication succeeds or as long as 5 seconds before all lights off

# device requires some time to charge before continuing with operation



red light flashes until user device is charged enough to continue.  
ideally, the reader will transmit enough power for operation and a waiting period will not be necessary.  
a protocol can be added for the device to request additional power from the reader.