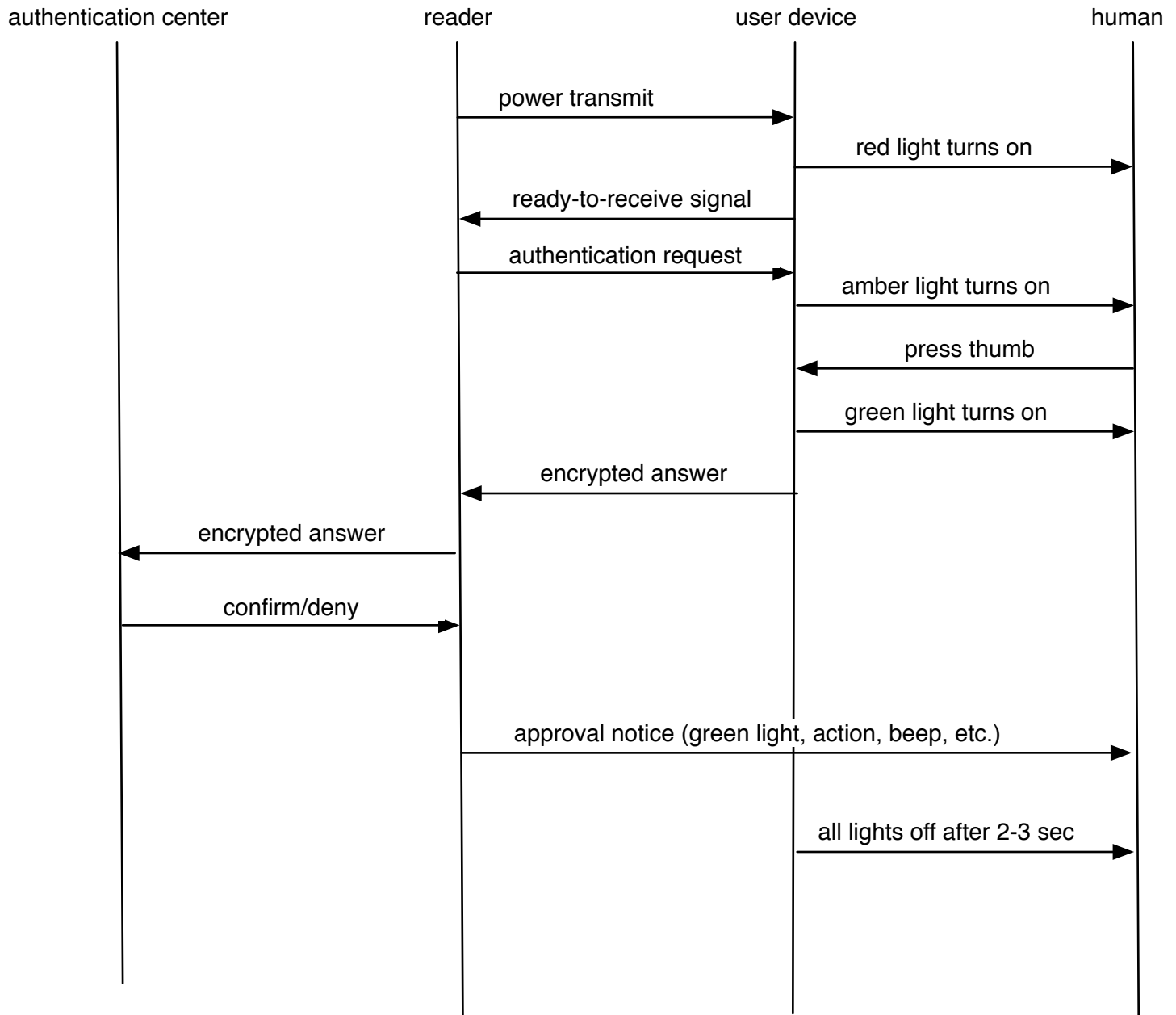


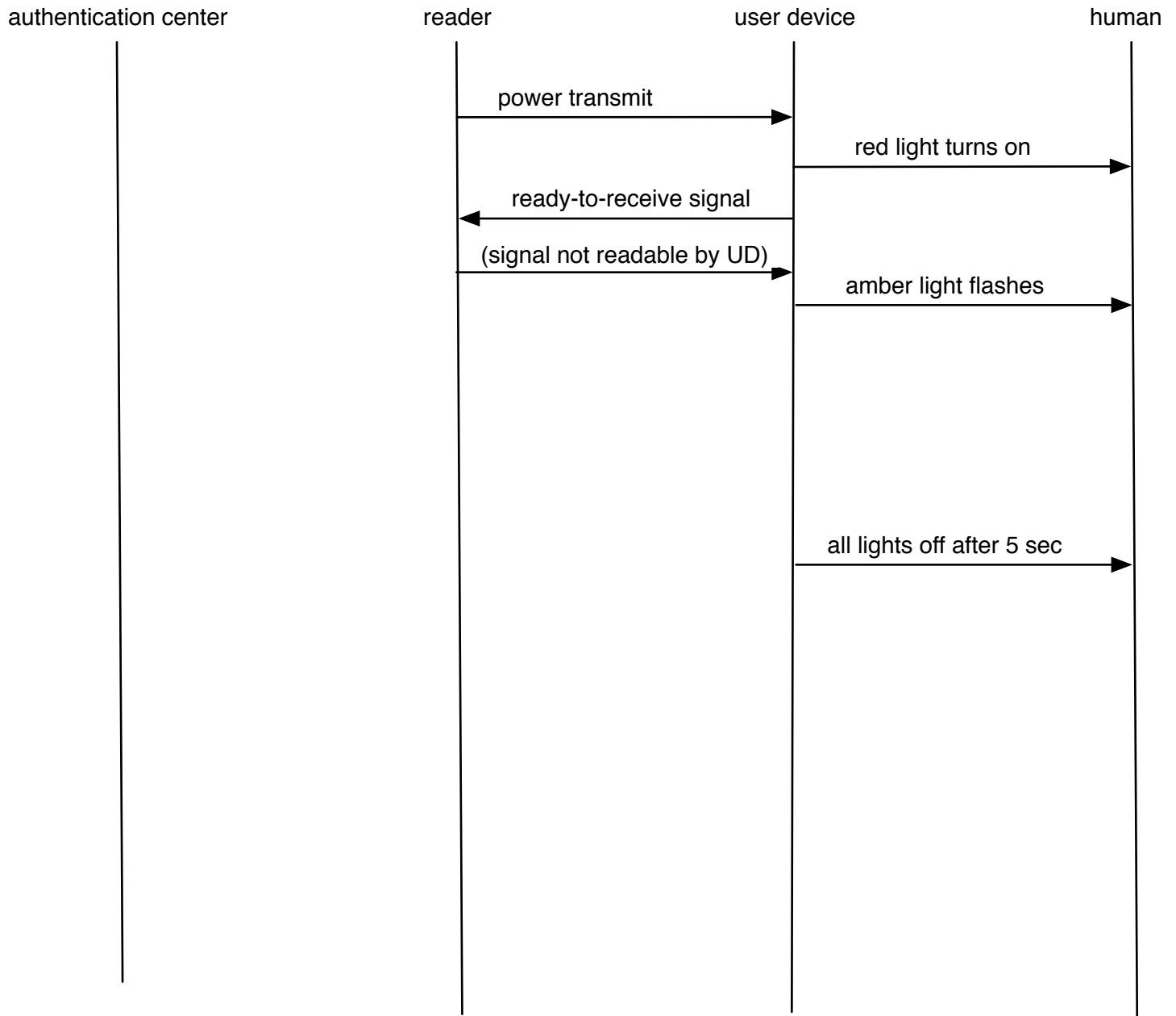
Successful authentication diagram for Central Authentication servers using the PassFree system



failed authentication

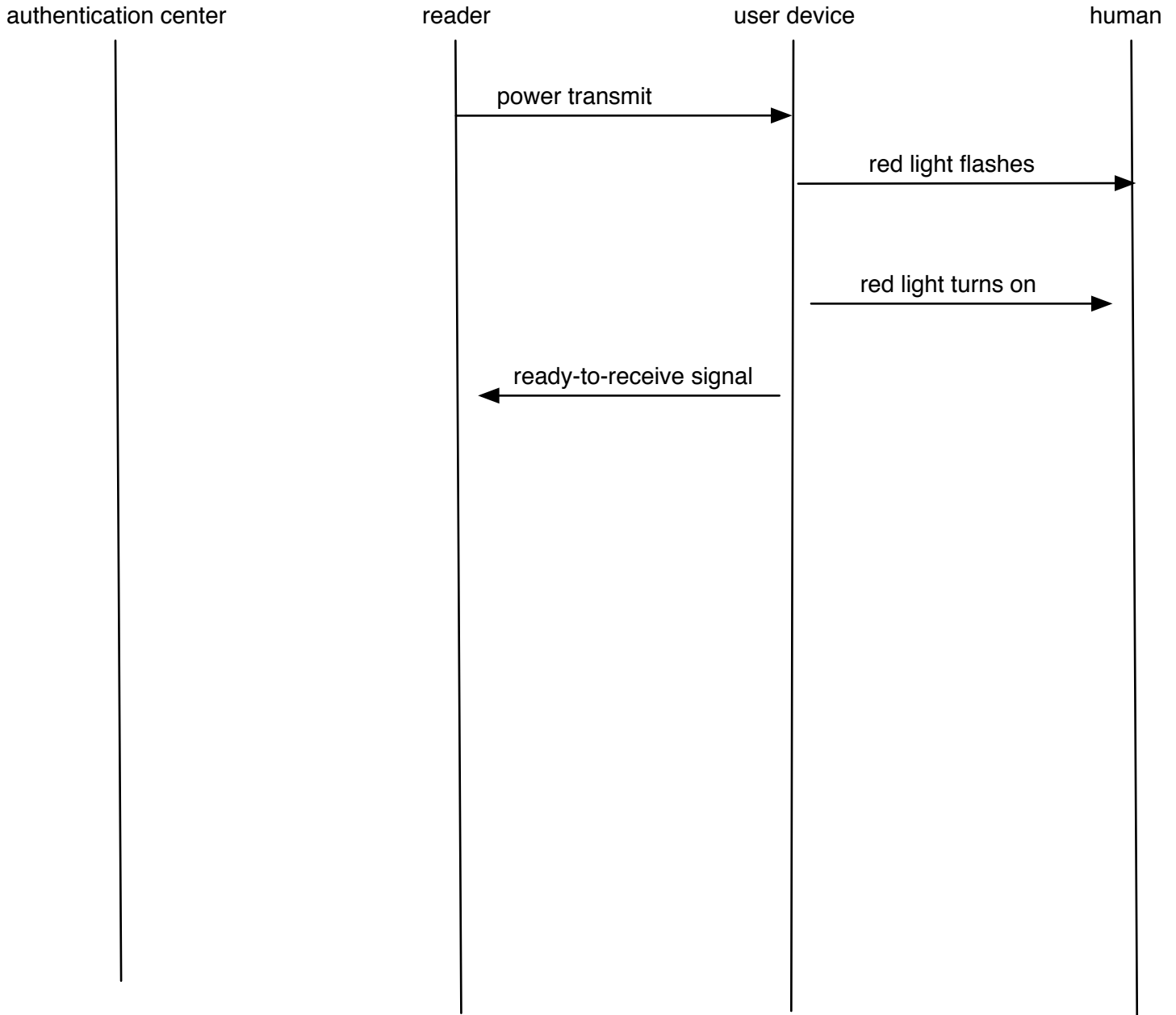
same but approval notice is replaced with denial notice (red light, beep, etc.)

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.