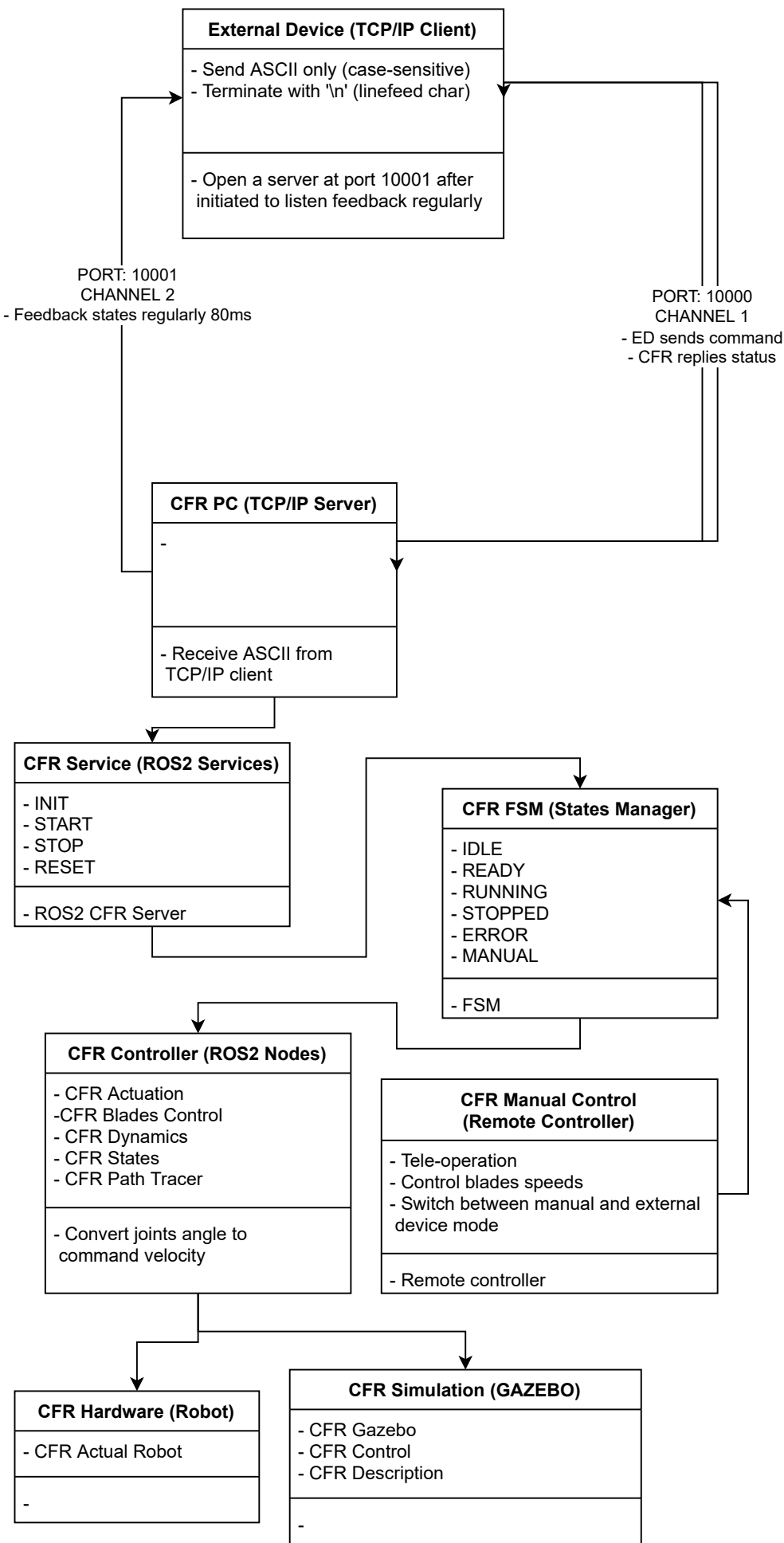


CFR  
Communication Architecture



CHANNEL 1
ED: STATUS CFR: STATUS, <status>
ED: FB,1 CFR: FB,1,OK CFR: FB,ERR,<errmsg>
ED: INIT CFR: INIT, OK CFR: INIT,ERR,<errmsg>
ED: START CFR: START,OK CFR: START,ERR,<errmsg>
ED: STOP CFR: STOP,OK CFR: STOP,ERR,<errmsg>
ED: STARTENGINE CFR: STARTENGINE,OK CFR: STARTENGINE,ERR,<errmsg>
ED: CTRL,<spd>,<fwd>,<rot>,<side> CFR: CTRL,OK CFR: CTRL,ERR,<errmsg>

CHANNEL 2
CFR:<ts>,<x>,<y>,<theta>,<bspd>

SAFETY
1. CFR stops when no external command 2. When CHANNEL 1 or CHANNEL 2 is dropped, or has error 3. When any ED results in an error

CFR  
Finite State Machine

