user space

kernel modules

field nodes

start up

load modules → modules

load userspace → program

start up

init discovery → discovery cycle ⇢ cycle repeats until all ok or timeout

discovery result

nodes not ok

message

dead

init ptp cycle → ptp cycle → sync timers

M ptp clock

ptp clock → read inputs

init 1st cycle → 1st cycle

inputs - result

process cycle

M ptp clock

ptp clock → set outputs and read inputs

init output cycle

trigger

message

time out

time signal in time

no return

dead

reset

field cycle

trigger

time signal

inputs - result

process cycle

M ptp clock

ptp clock → set outputs and read inputs