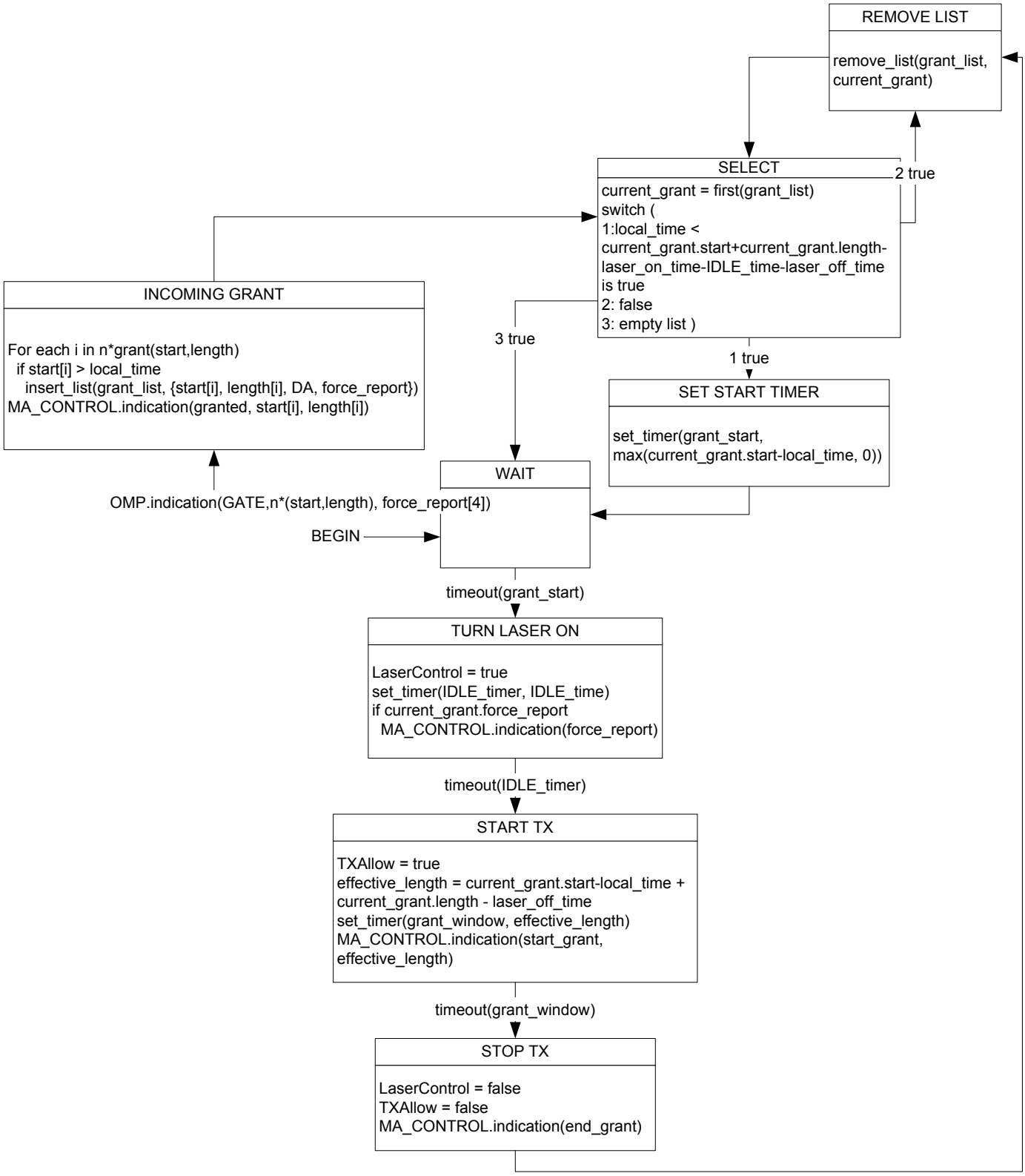
REMOVE LIST
remove_list(grant_list, current_grant)
SELECT
current_grant = first(grant_list)
switch (
1:local_time < current_grant.start+current_grant.length-laser_on_time-IDLE_time-laser_off_time is true
2: false
3: empty list)
2 true
INCOMING GRANT
For each i in n*grant(start,length)
if start[i] > local_time
insert_list(grant_list, {start[i], length[i], DA, force_report})
MA_CONTROL.indication(granted, start[i], length[i])
3 true
1 true
SET START TIMER
set_timer(grant_start, max(current_grant.start-local_time, 0))
WAIT
OMP.indication(GATE,n*(start,length), force_report[4])
BEGIN
timeout(grant_start)
TURN LASER ON
LaserControl = true
set_timer(IDLE_timer, IDLE_time)
if current_grant.force_report
MA_CONTROL.indication(force_report)
timeout(IDLE_timer)
START TX
TXAllow = true
effective_length = current_grant.start-local_time + current_grant.length - laser_off_time
set_timer(grant_window, effective_length)
MA_CONTROL.indication(start_grant, effective_length)
timeout(grant_window)
STOP TX
LaserControl = false
TXAllow = false
MA_CONTROL.indication(end_grant)