

Scheduler State Machine



Arrival Sensor has been triggered
(add elevator to arrivalList &
signal elevator to turn off lamp)



WAITING_FOR_REQUEST

Request from Floor subsystem
for an elevator



SEND_ELEVATOR_TO_FLOOR

do/Check for available elevator
do/Send request data to elevator
exit/Data has been sent

No elevators are
currently available



Available Elevator
Found



ACK Timeout



WAIT_FOR_ELEVATOR

do/Wait to receive "ACK" from elevator
exit/ACK received

ACK Received and
elevator is on its way

