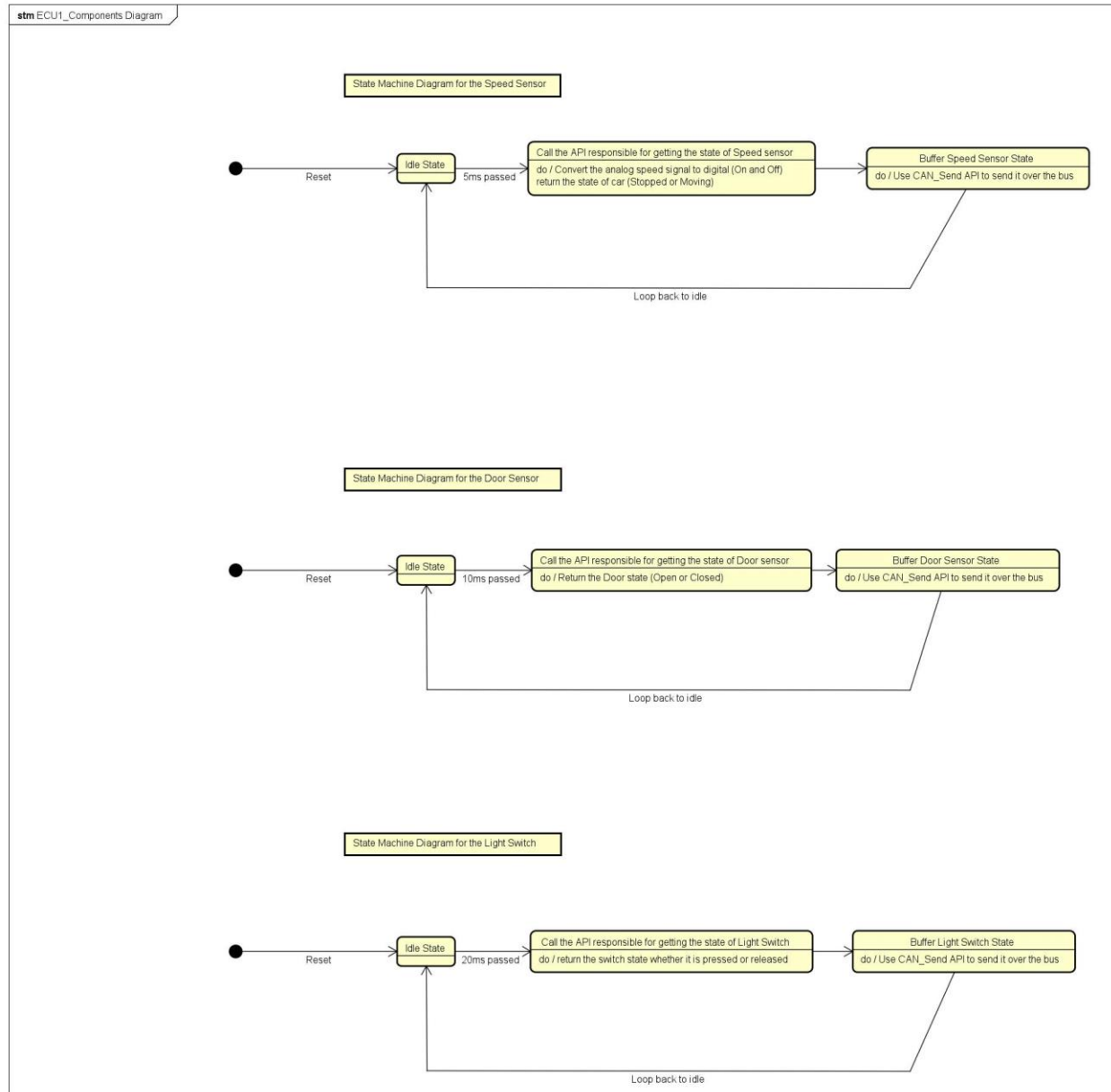
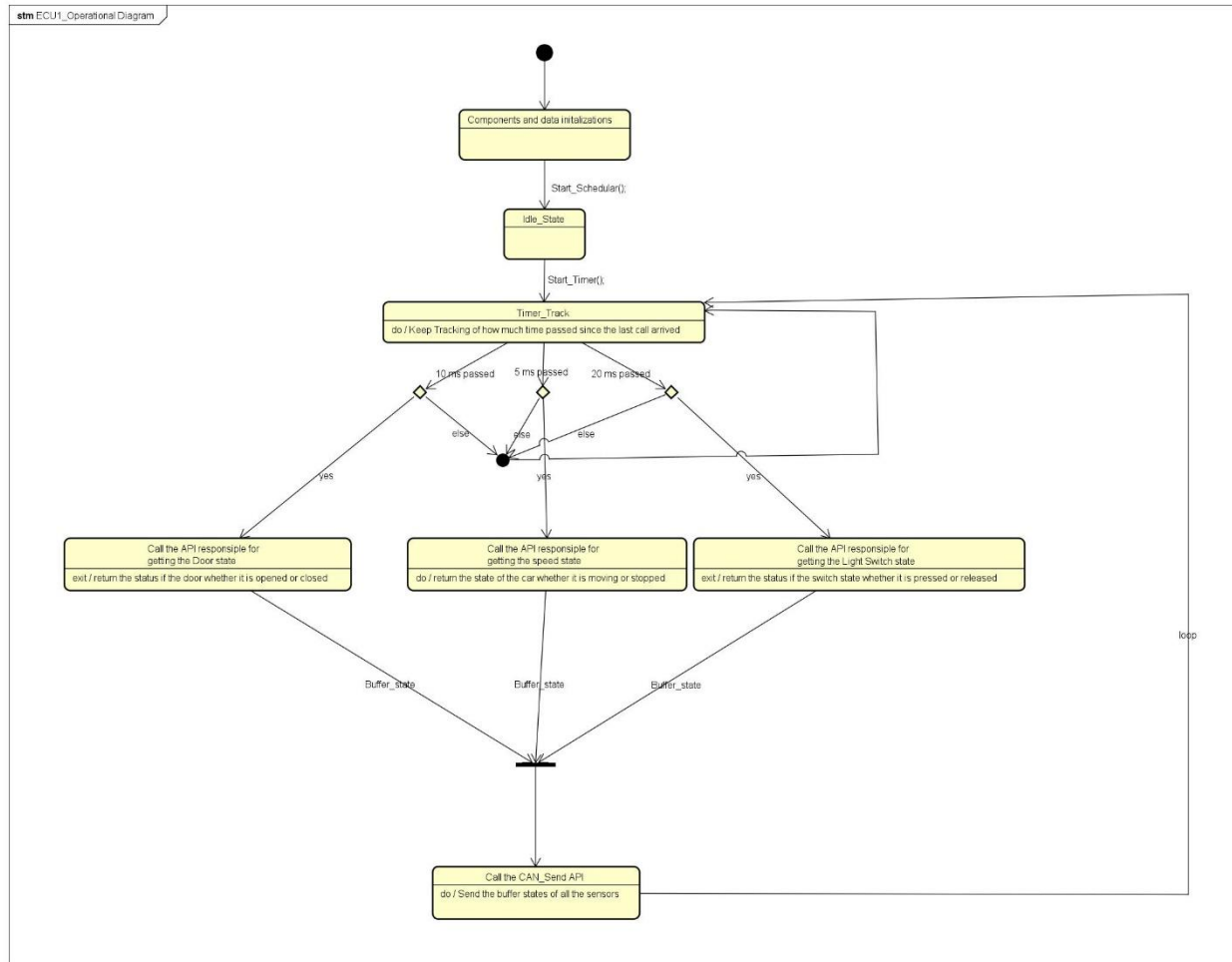


Dynamic Design for ECU1

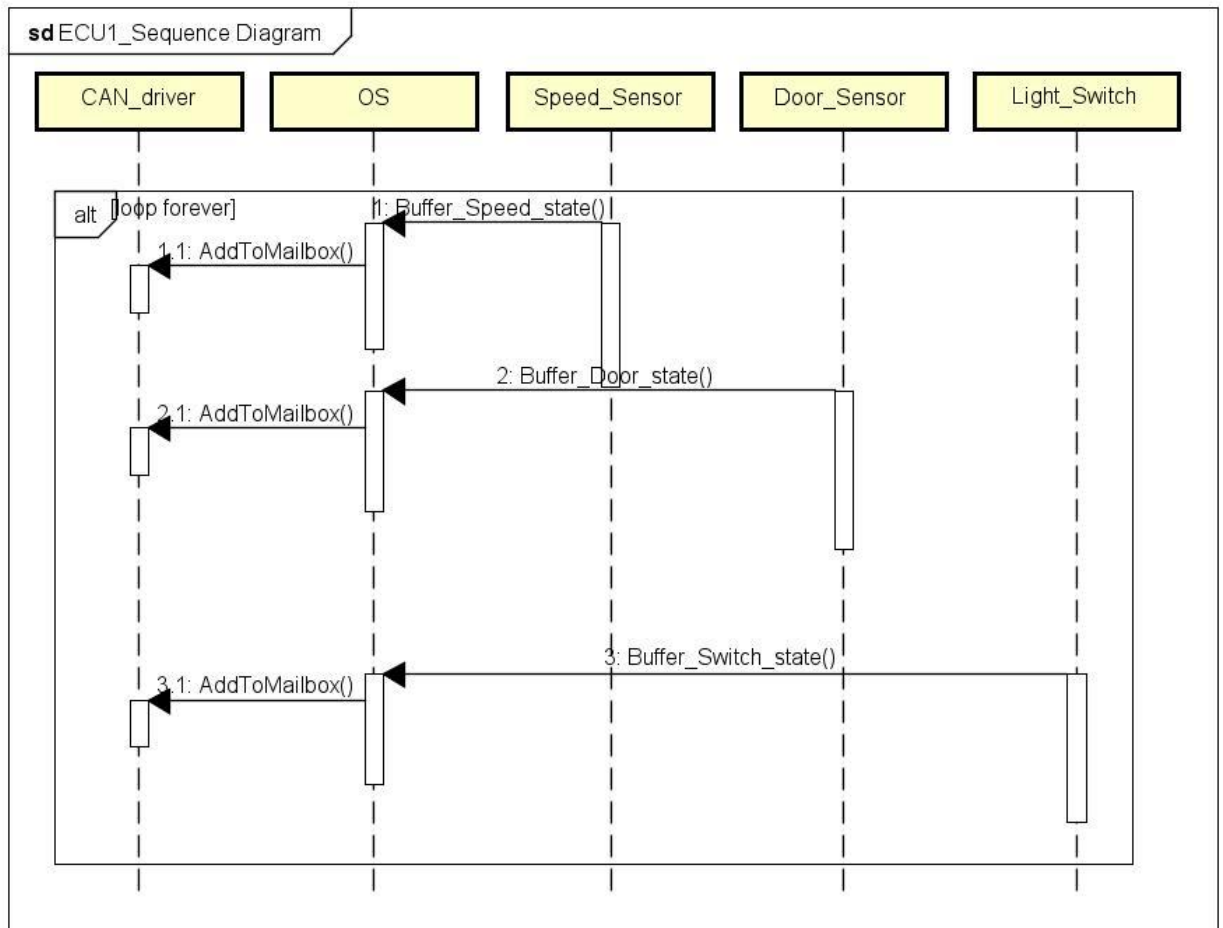
1- Draw a state machine diagram for each ECU components.



2- Draw a state machine diagram for the ECU operation.



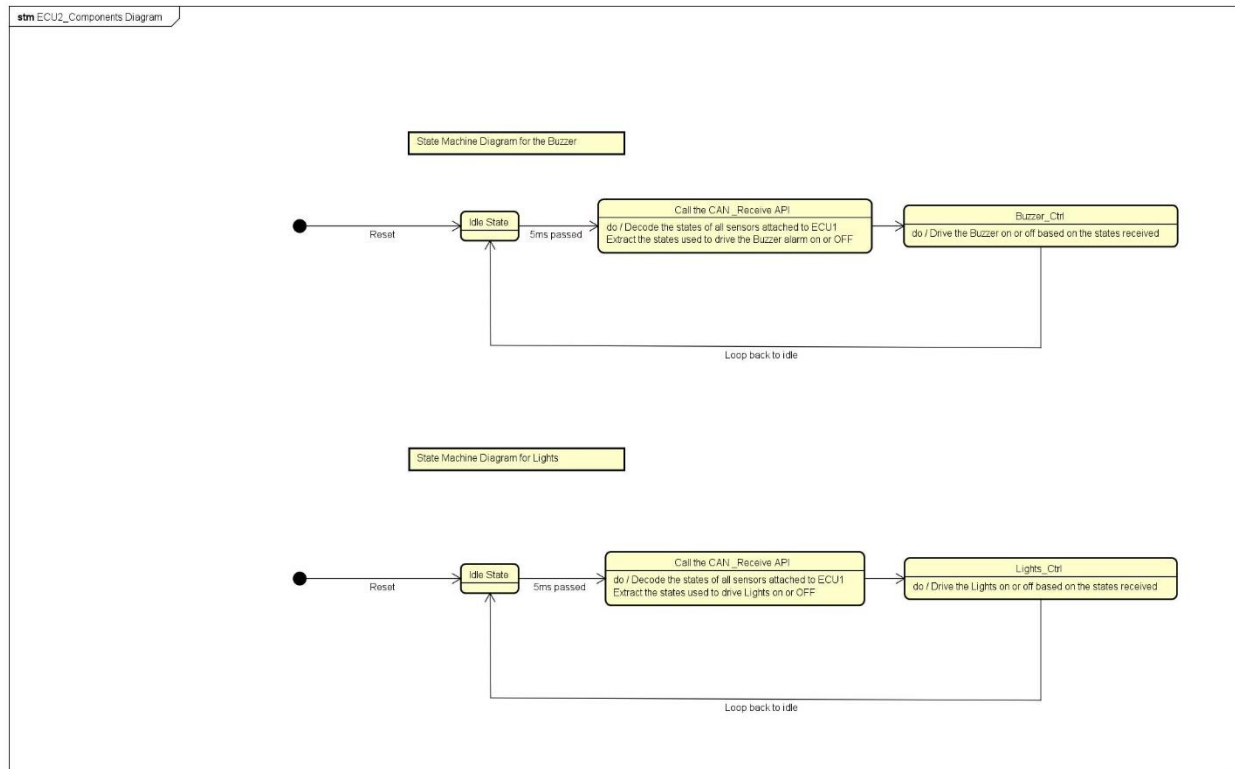
3- Draw the sequence diagram for the ECU.



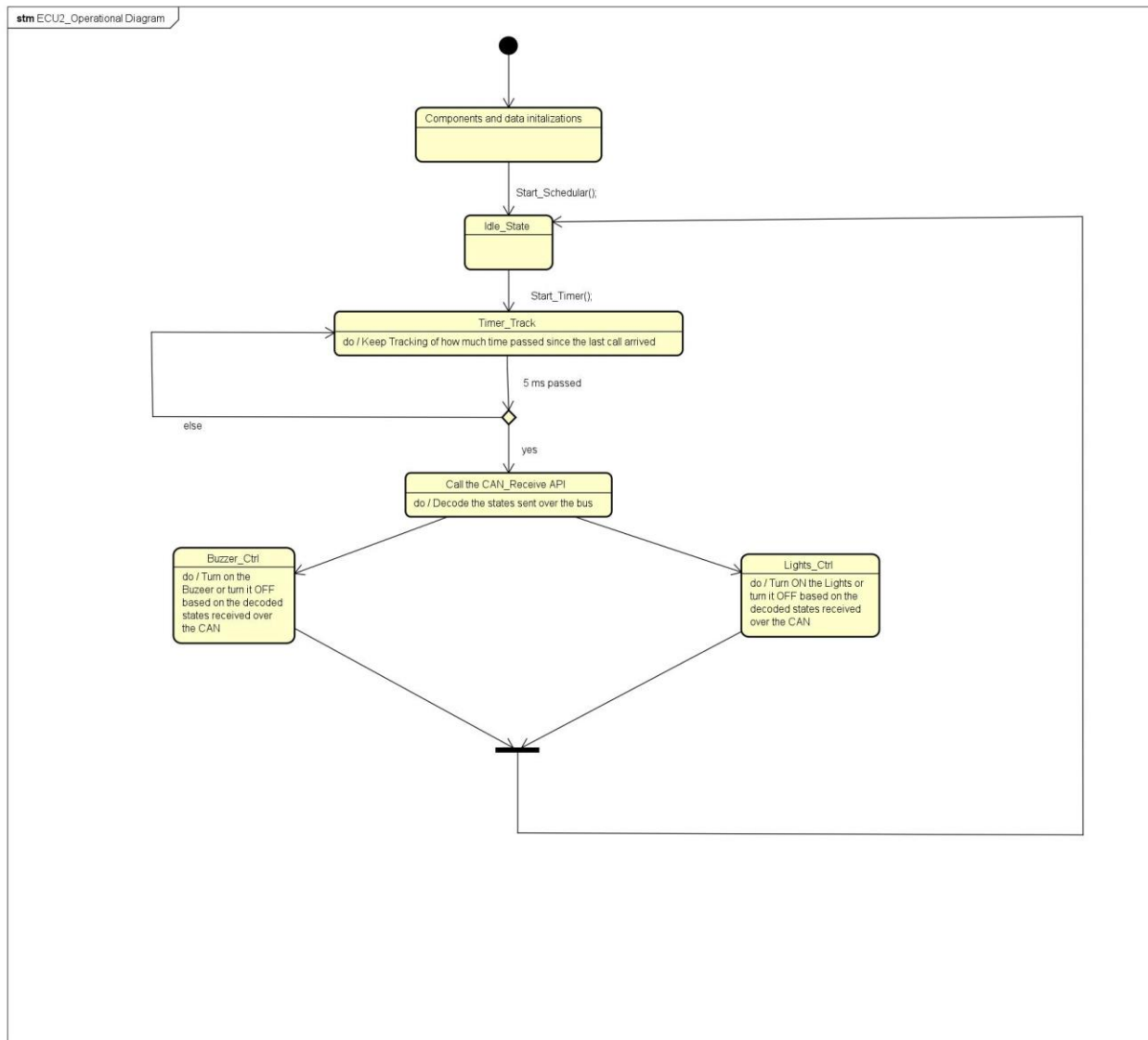
4- CPU Load = $(1/5) + (1/10) + (1/20) = 0.35 = 35\%$

Dynamic Design for ECU2

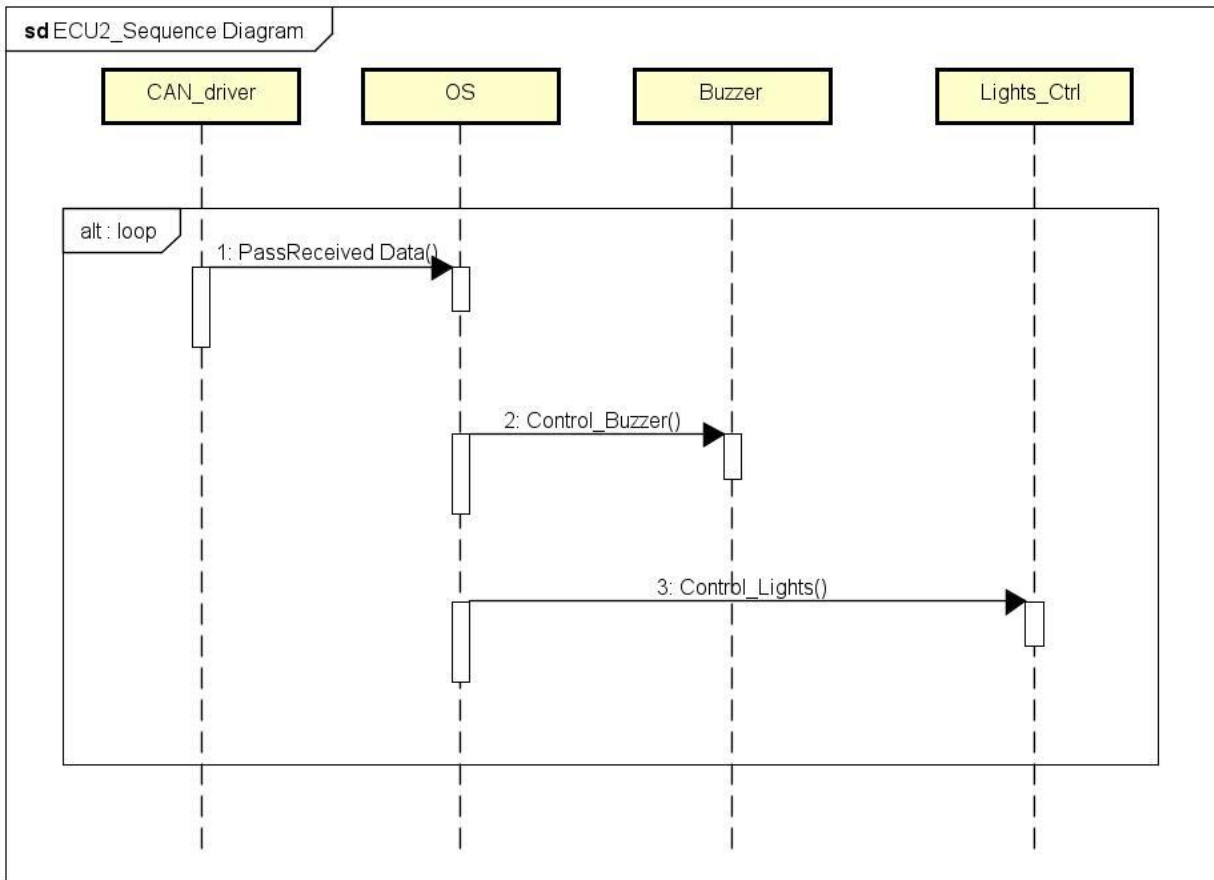
1- Draw a state machine diagram for each ECU components.



2- Draw a state machine diagram for the ECU operation.



3- Draw the sequence diagram for the ECU.



$$4\text{-CPU Load} = (1/5) + (1/5) = 0.4 = 40\%$$