*State Machine Diagrams for Each ECU*

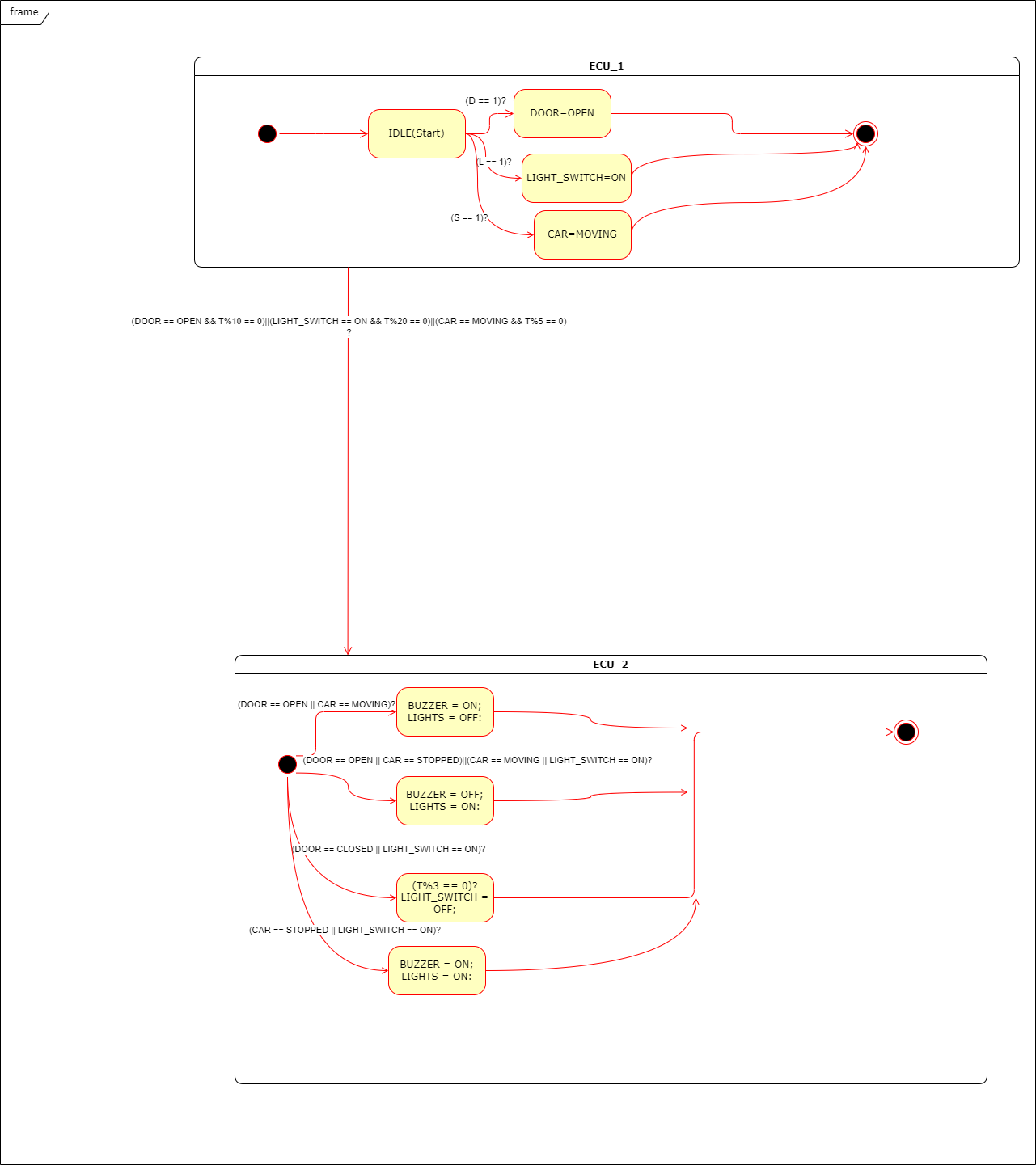


Figure (1) State machine for the whole System

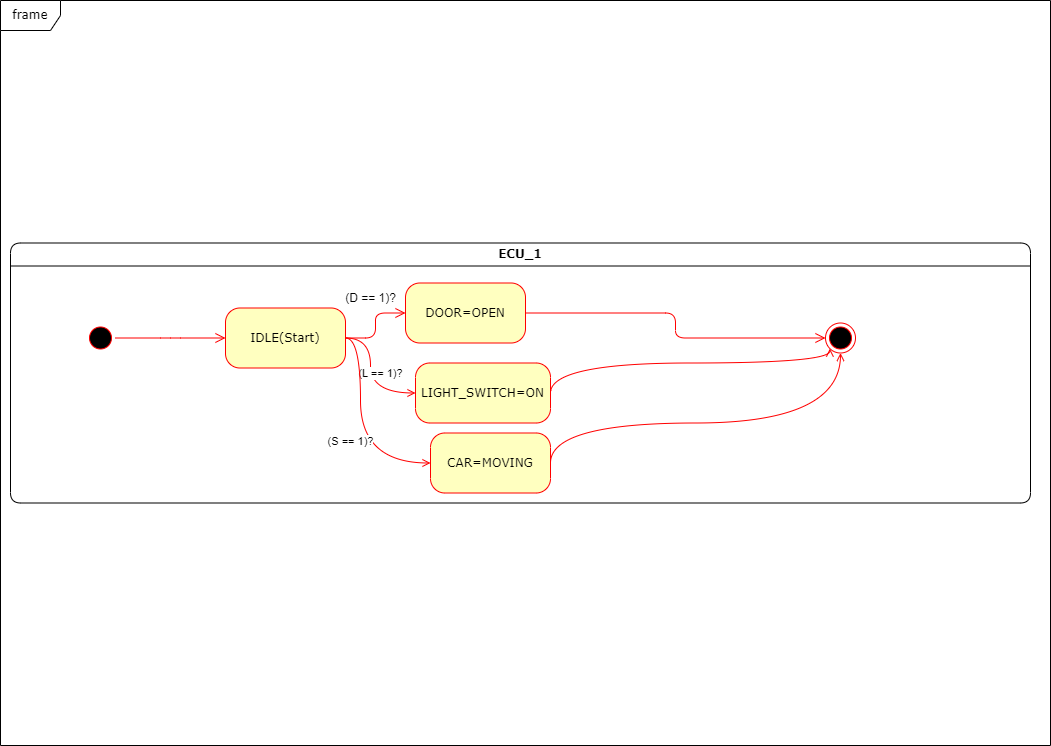


Figure () ECU\_1 State machine

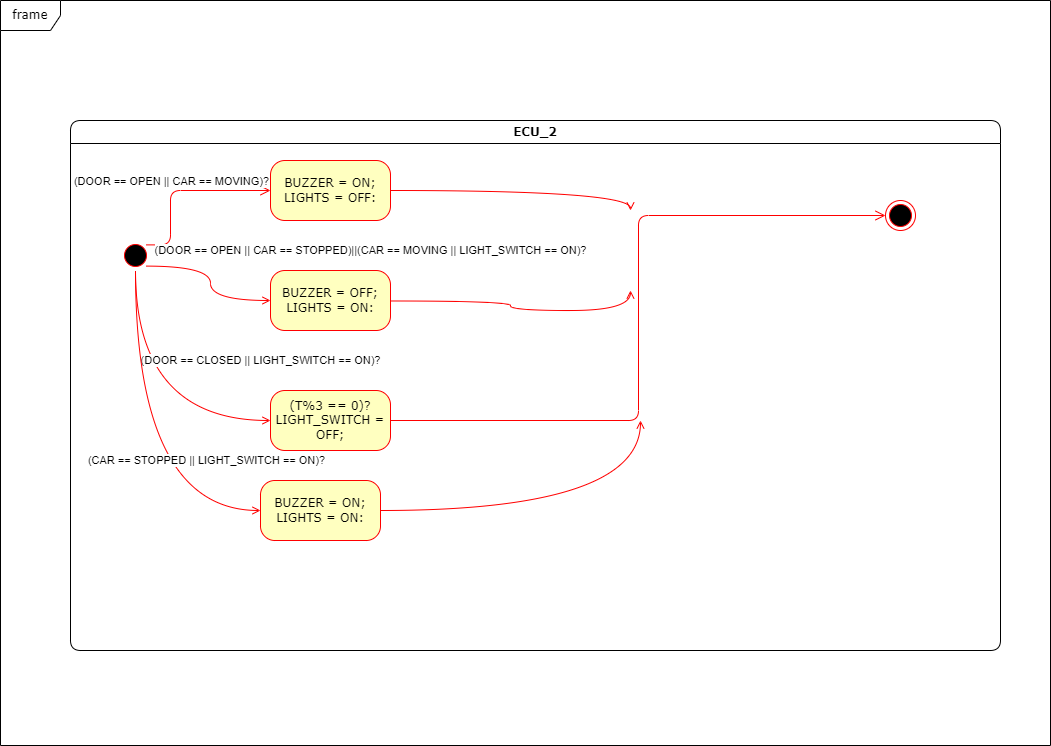


Figure () ECU\_2 State Machine

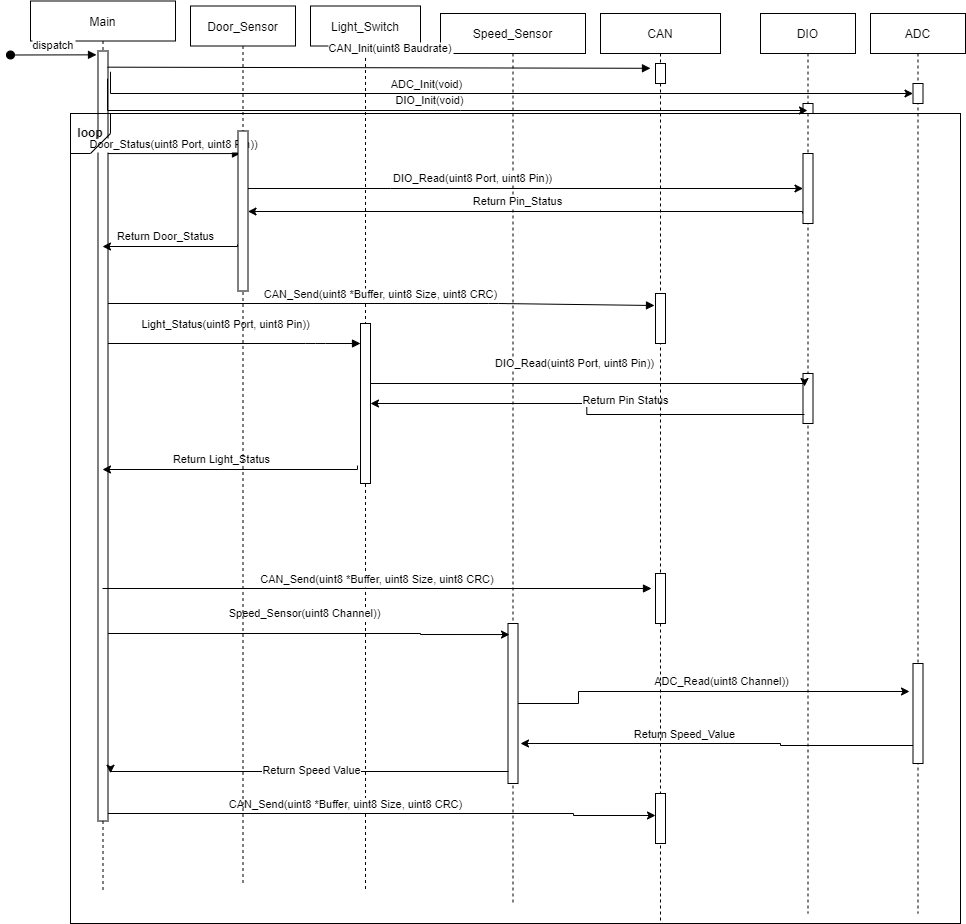


Figure (4) Sequence Diagram for ECU\_1

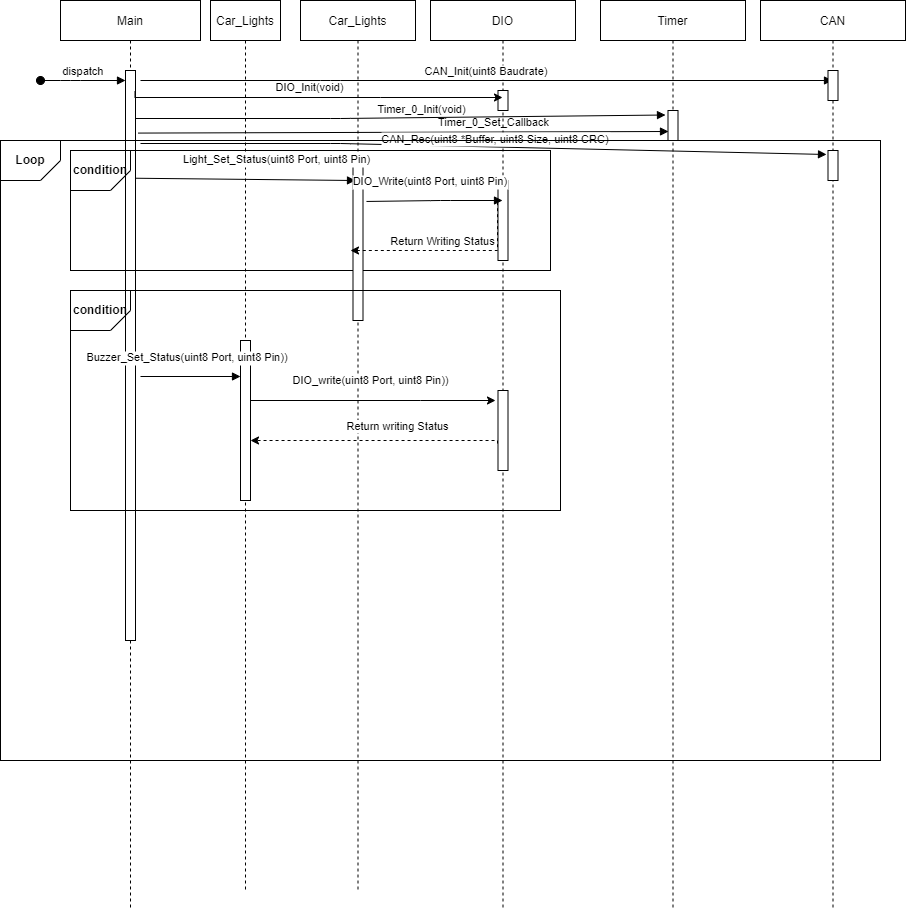


Figure (5) Sequence Diagram for ECU\_2