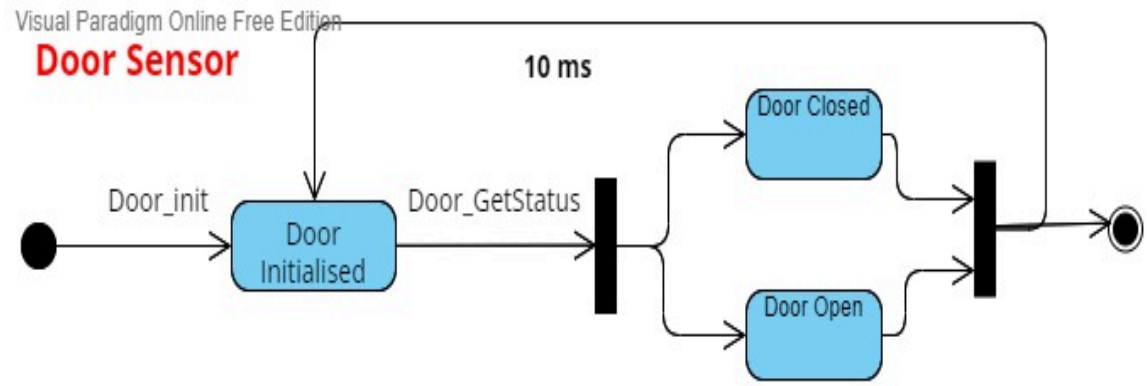
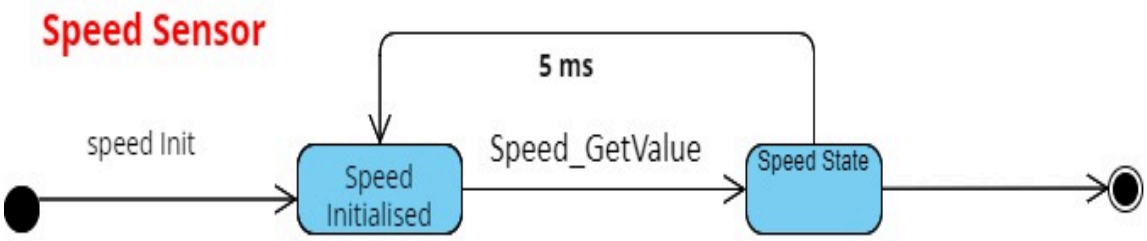
Automotive Door Control System Design

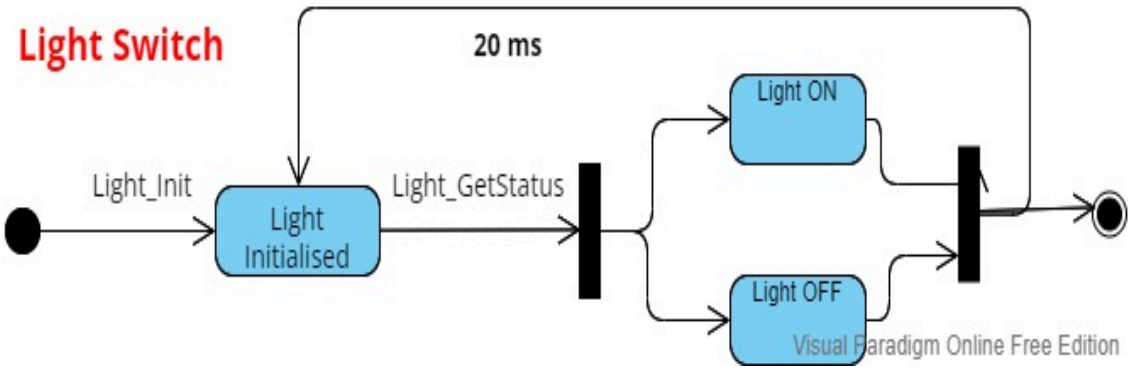
Dynamic Design

ECU 1

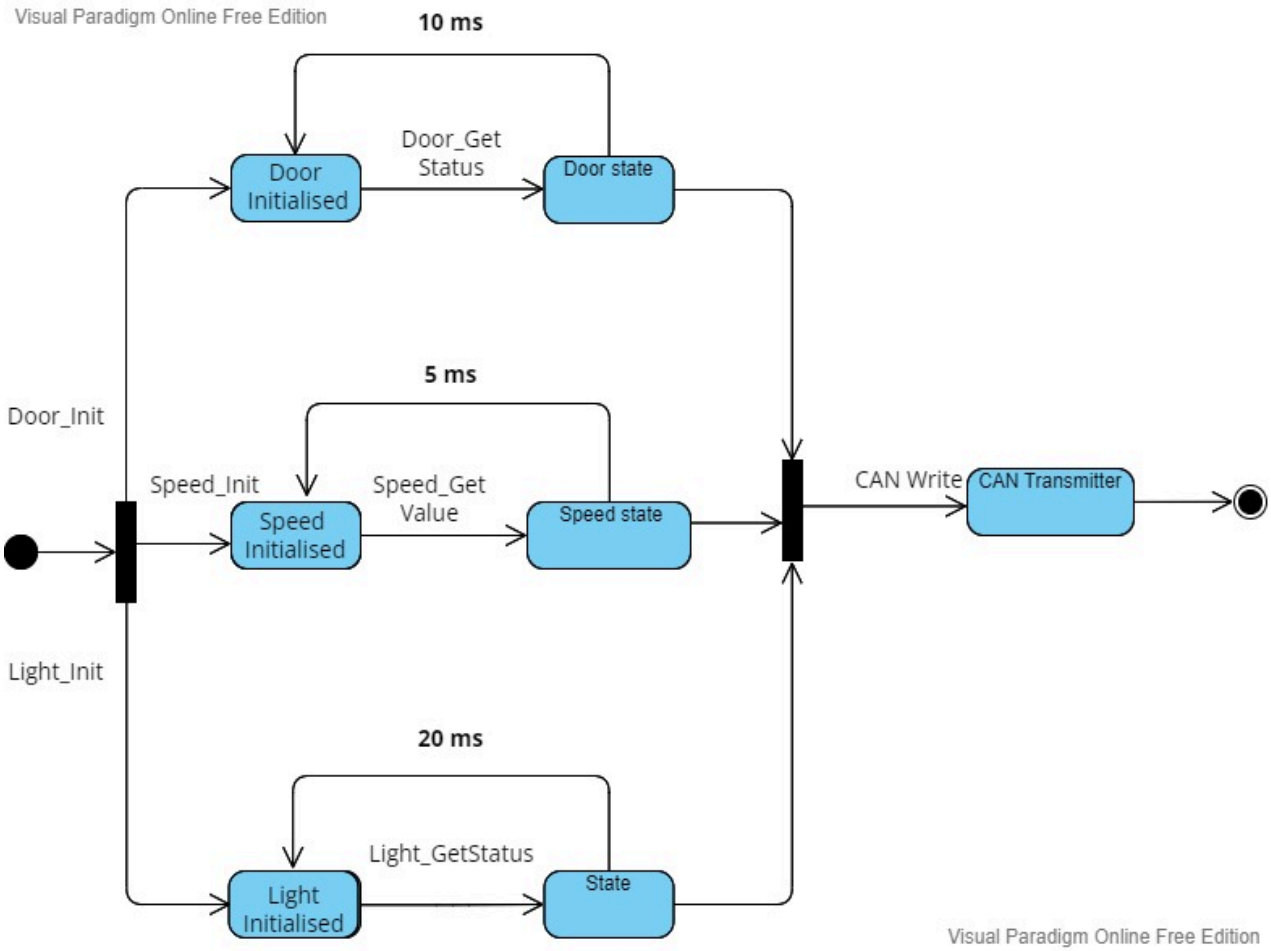
1 - State Machine diagram for each ECU component:



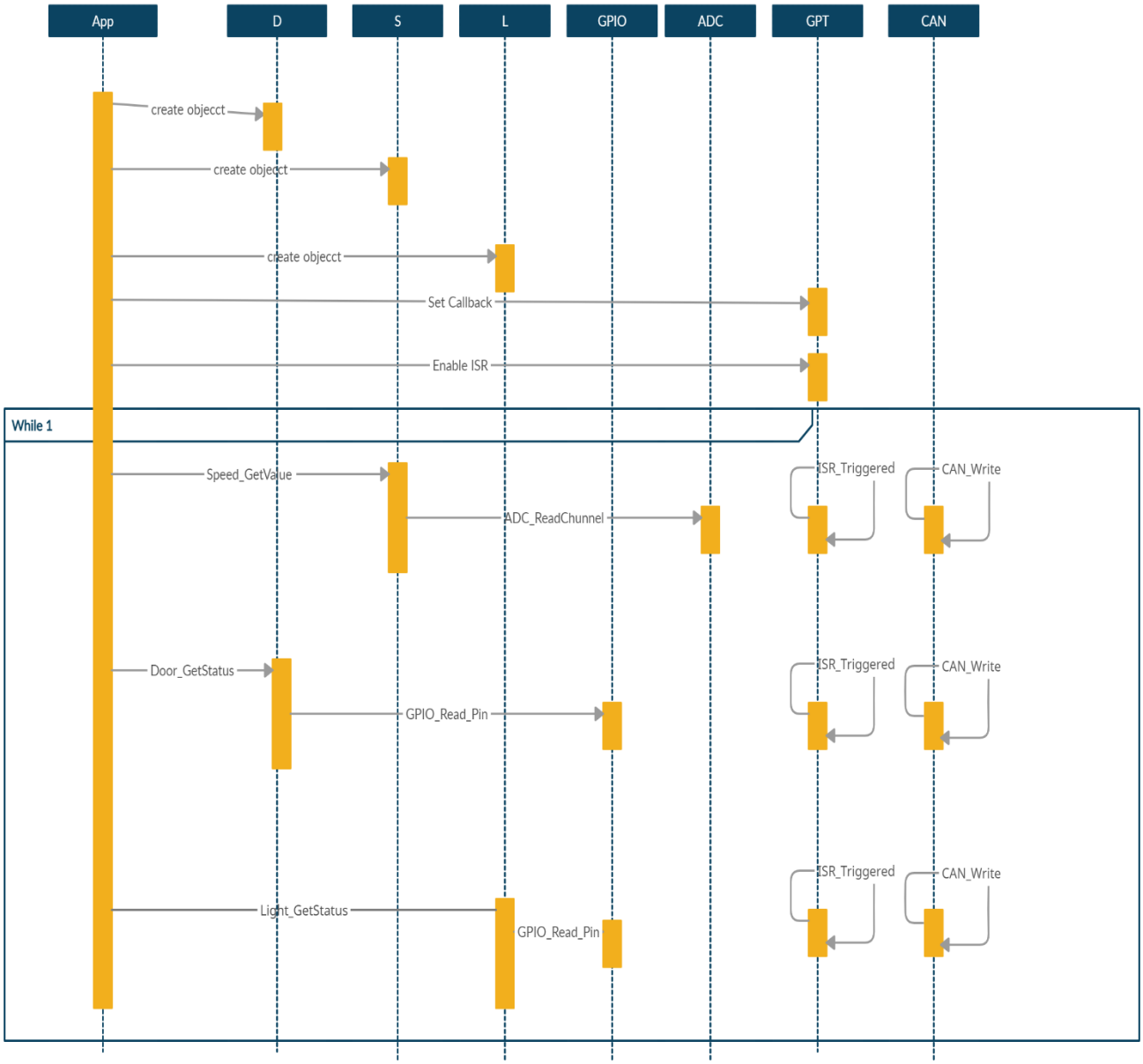




2- State Machine diagram for ECU operation:



3- Sequence Diagram for the ECU:

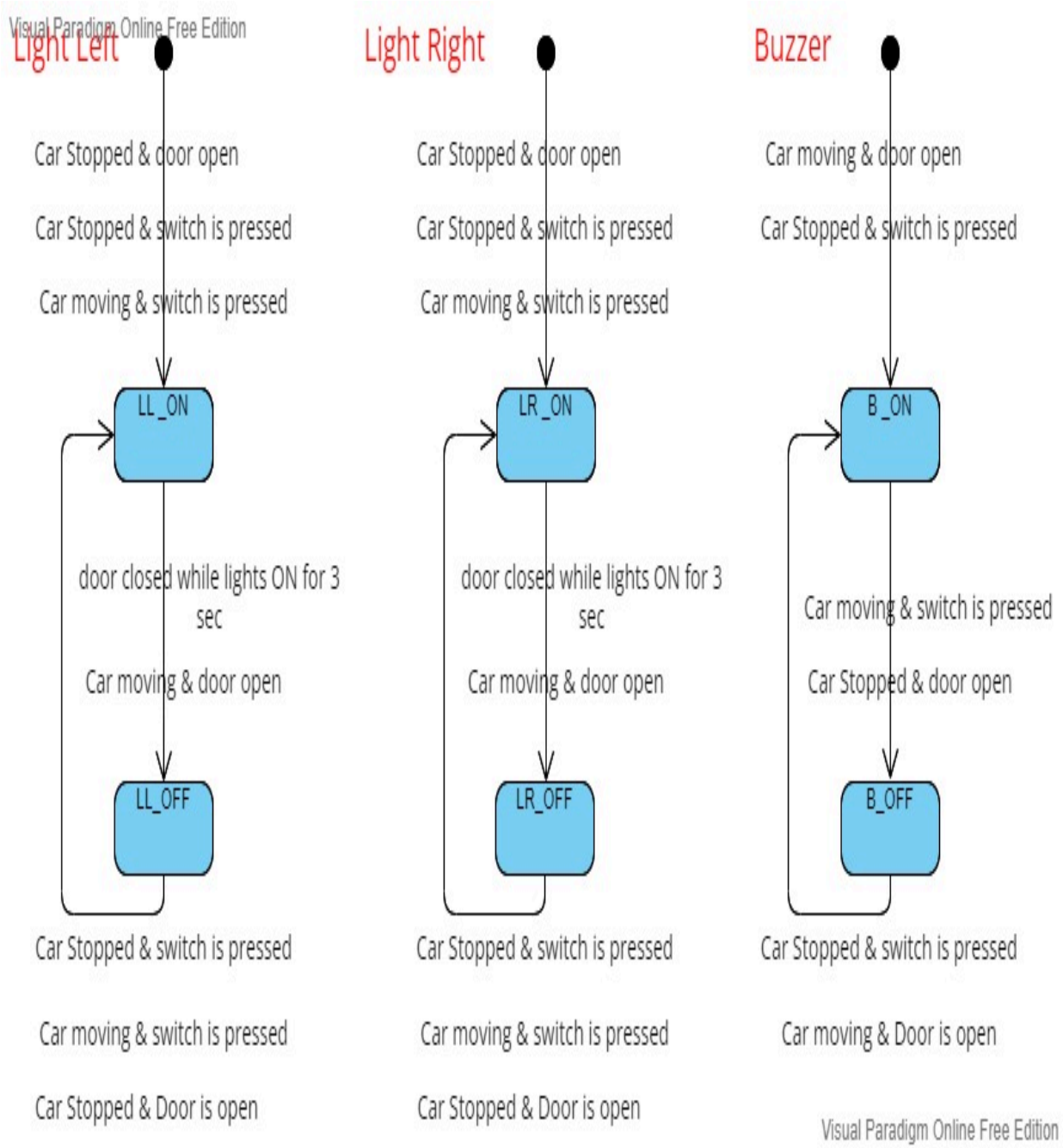


4-The CPU Load for the ECU:

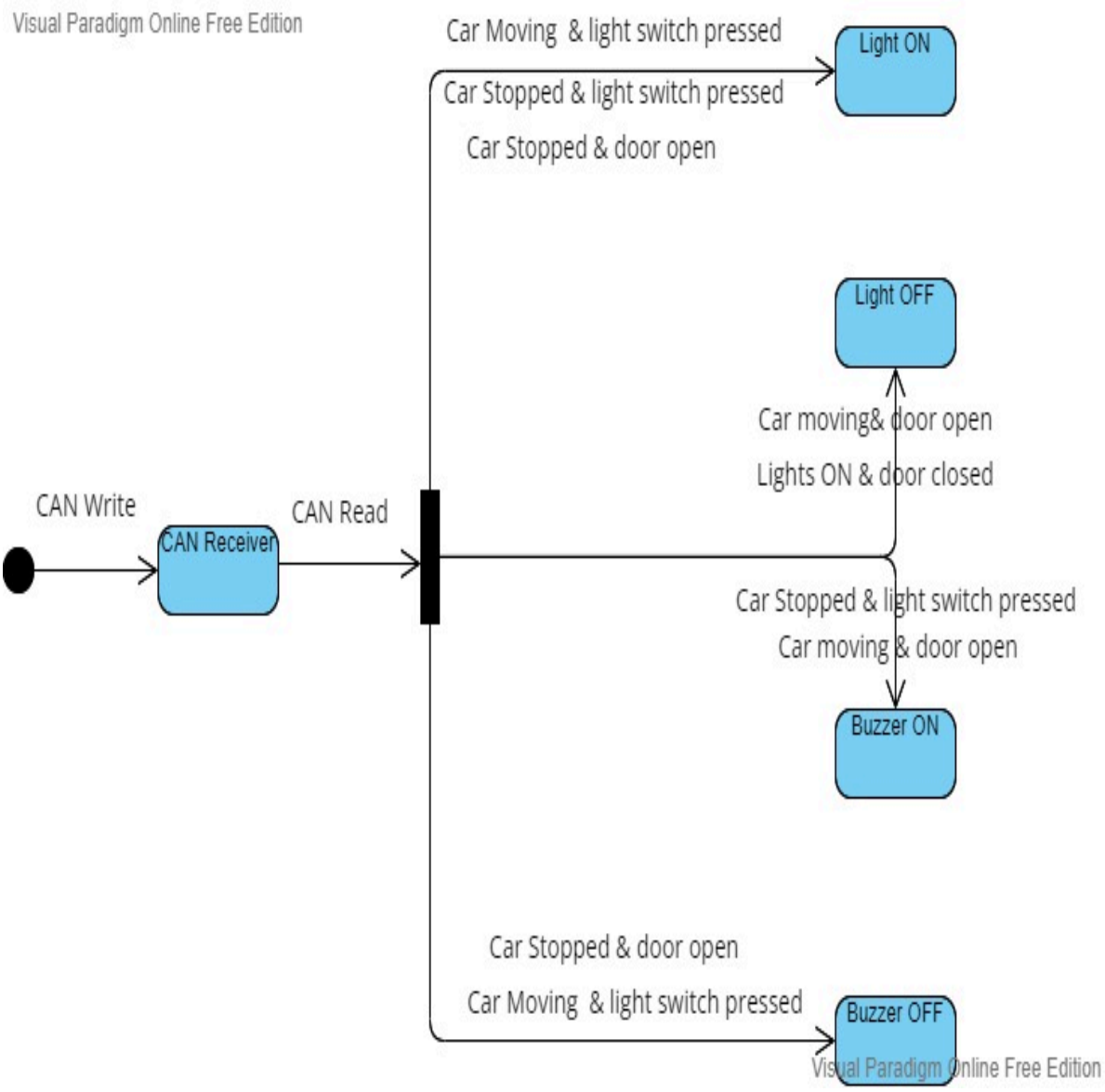
CPU Utilization = 35 %

ECU 2

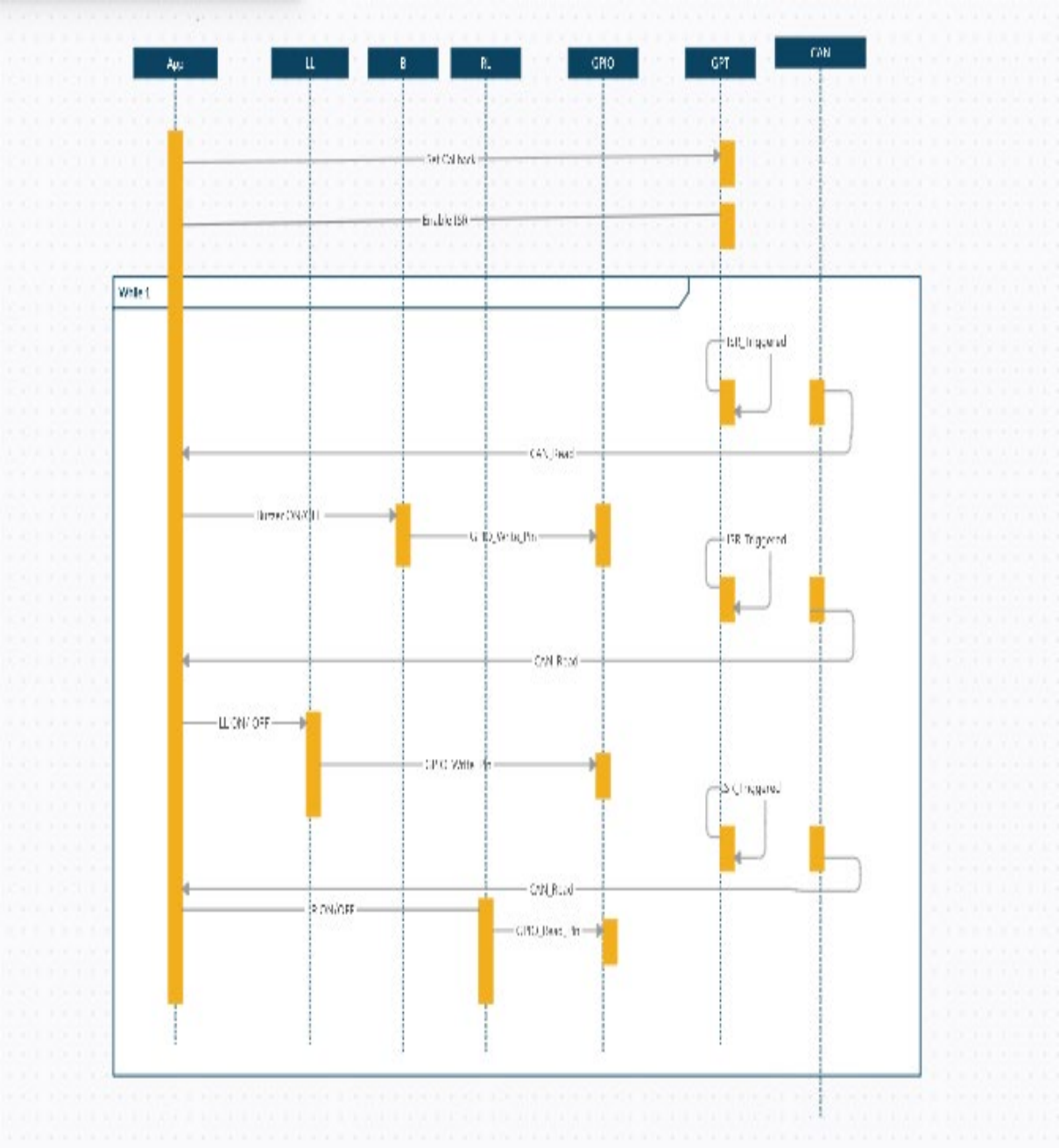
1 - State Machine diagram for each ECU component:



2- State Machine diagram for ECU operation:



3- Sequence Diagram for the ECU:



4-The CPU Load for the ECU:

CPU Utilization = 35 %