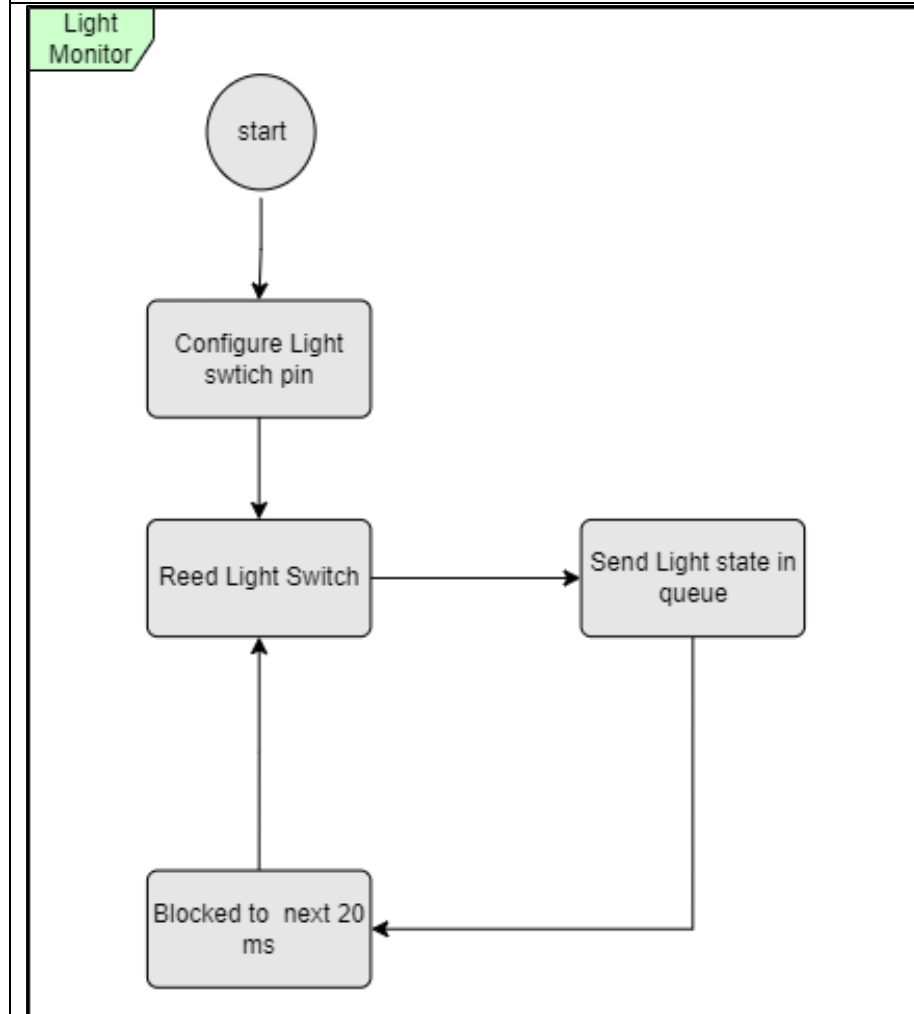
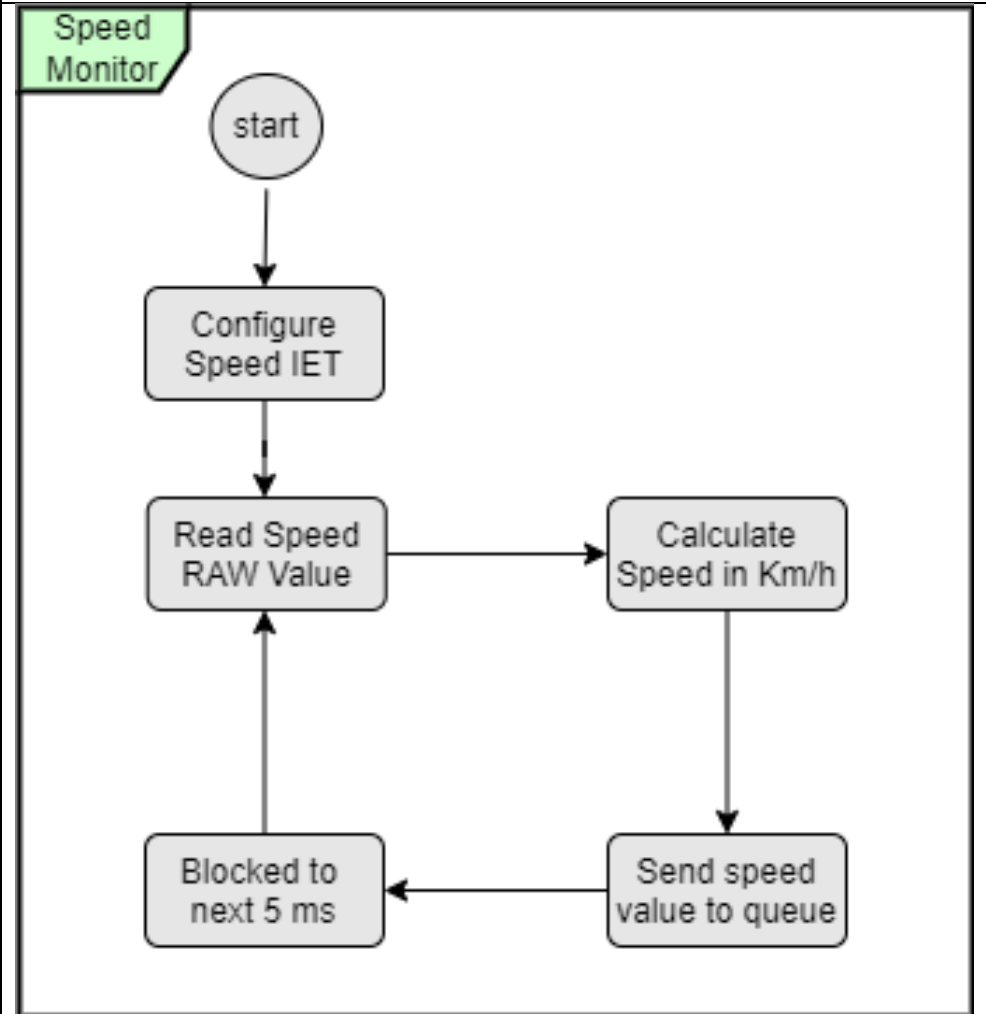


## ECU 1 state machine diagrams

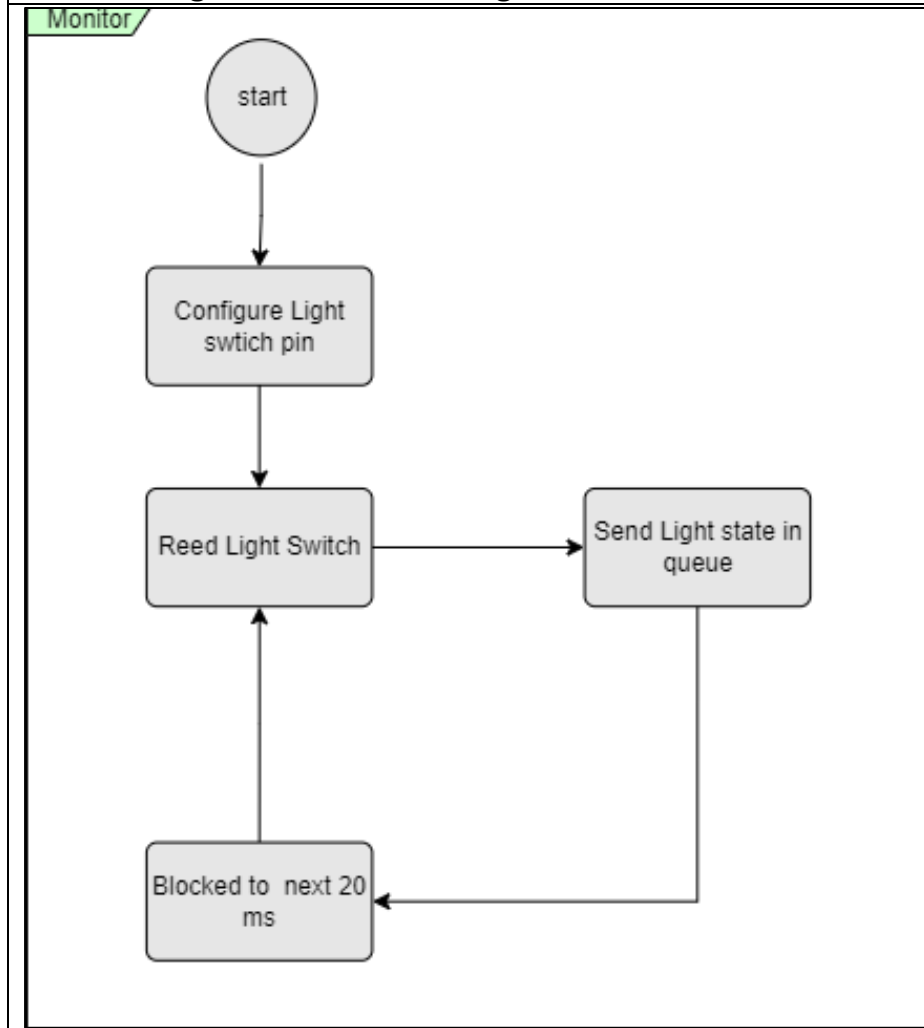
Door Monitor state diagram



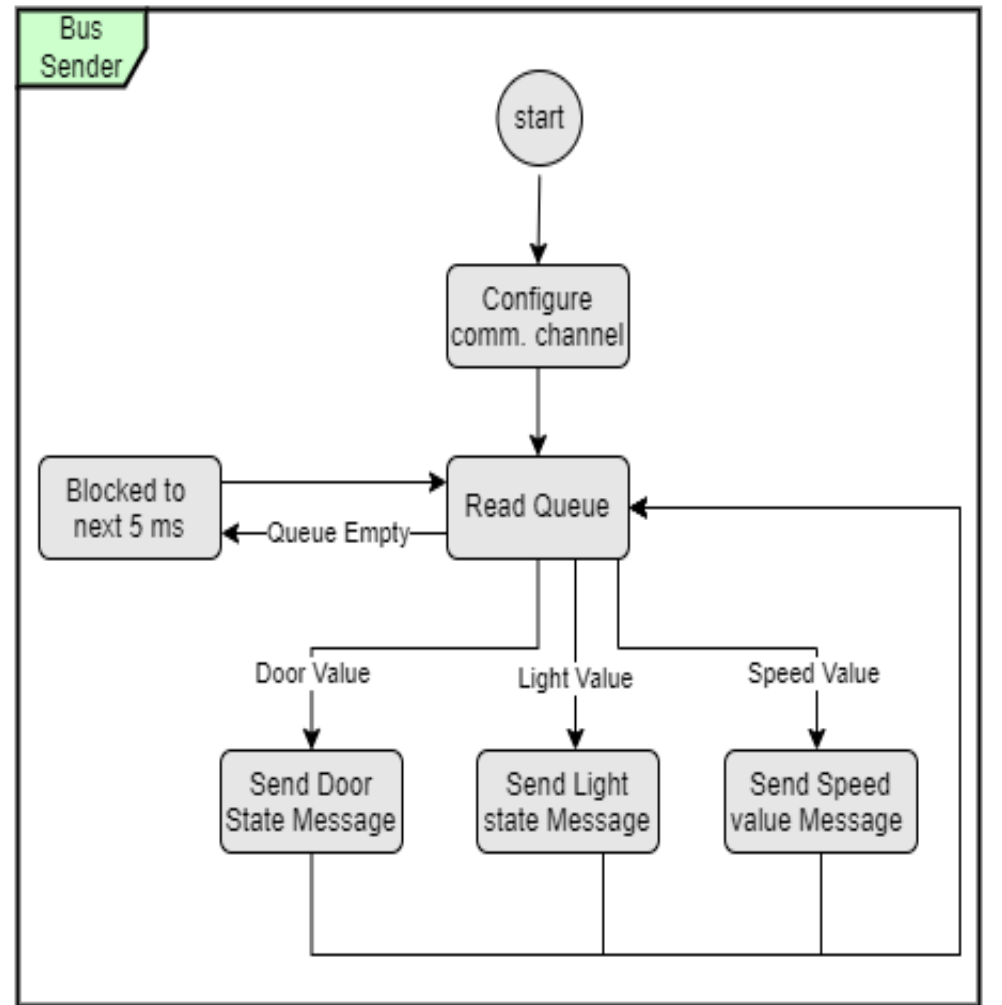
Speed Monitor state diagram



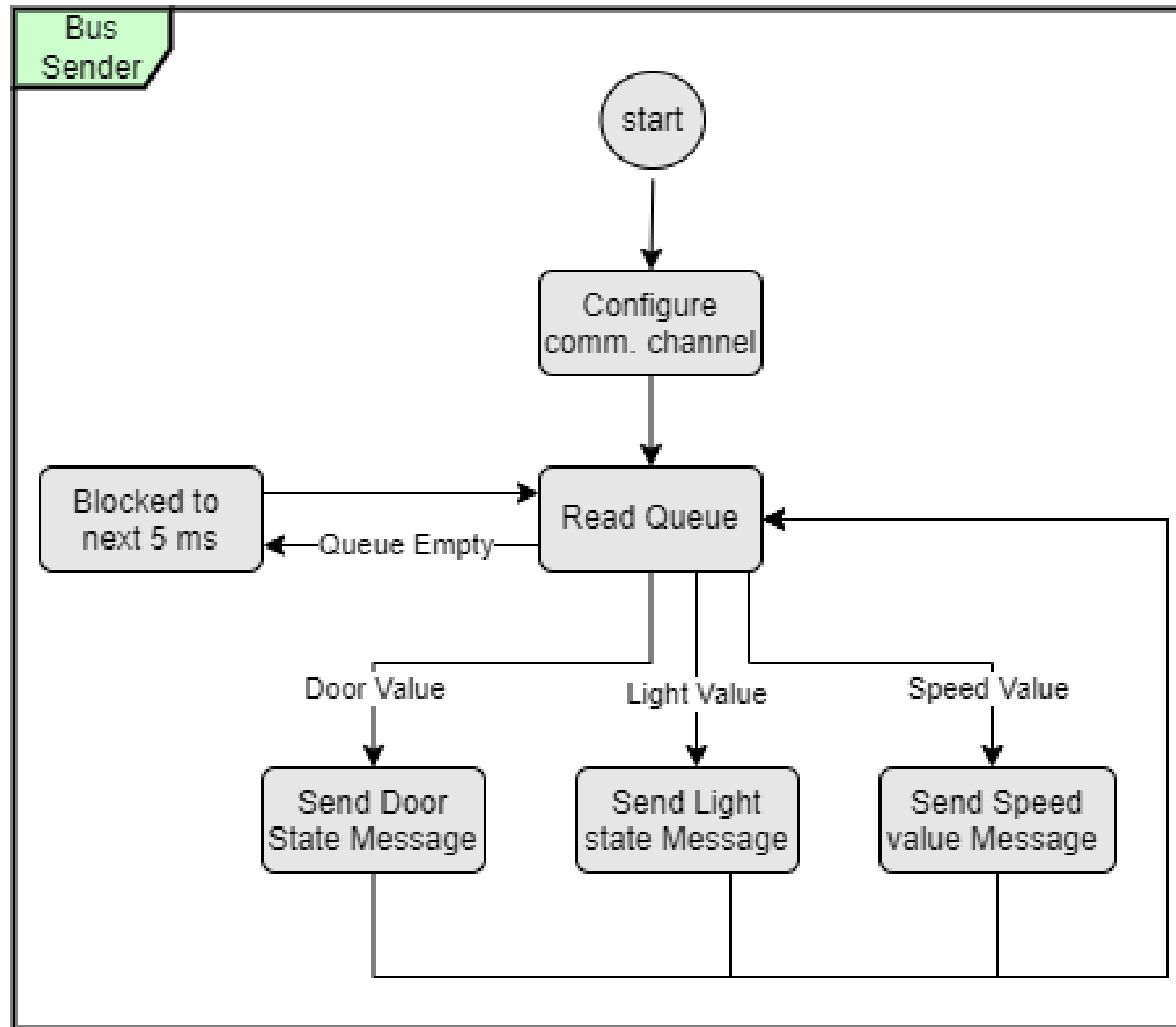
**Light Monitor state diagram:**



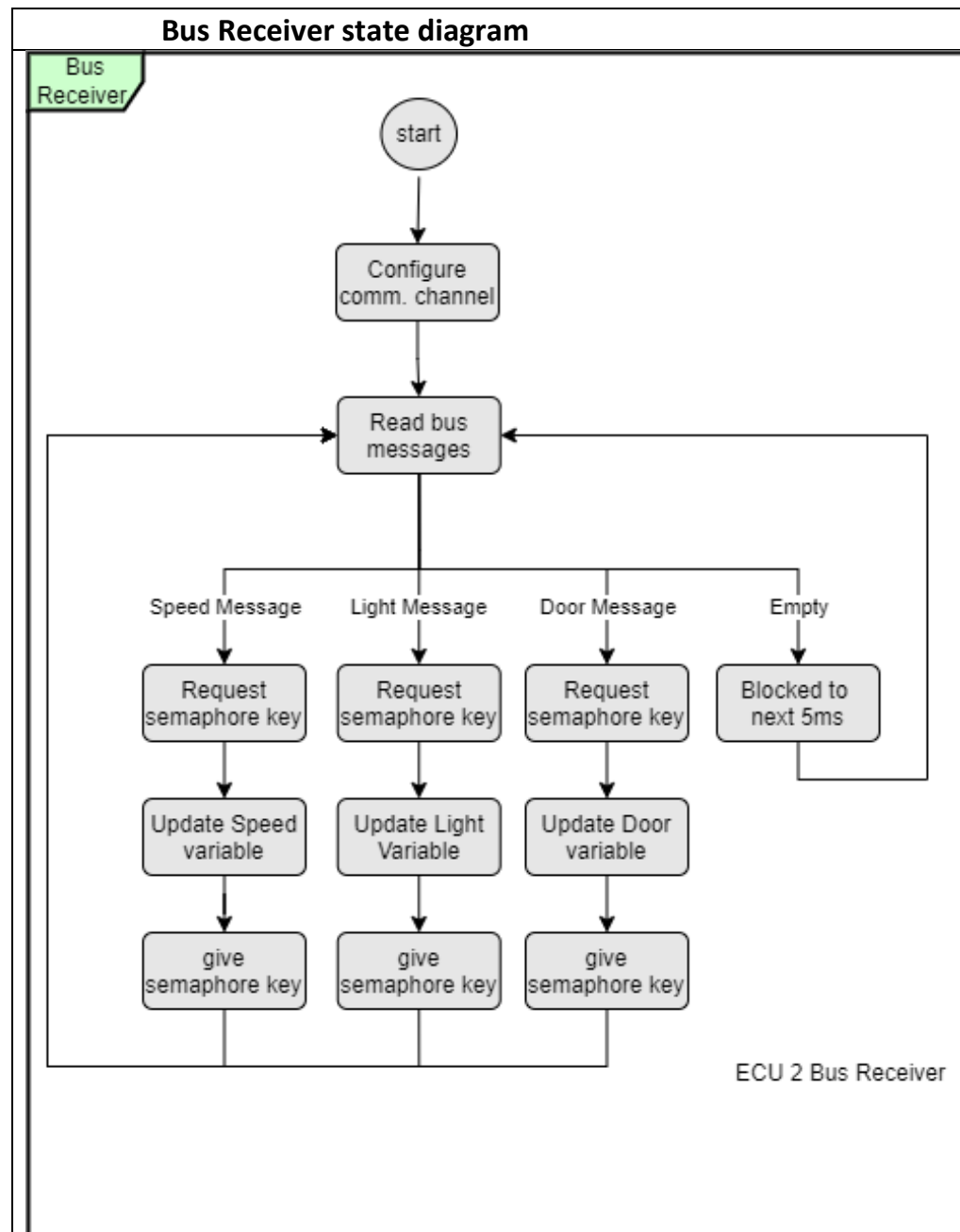
**Bus Sender state diagram**



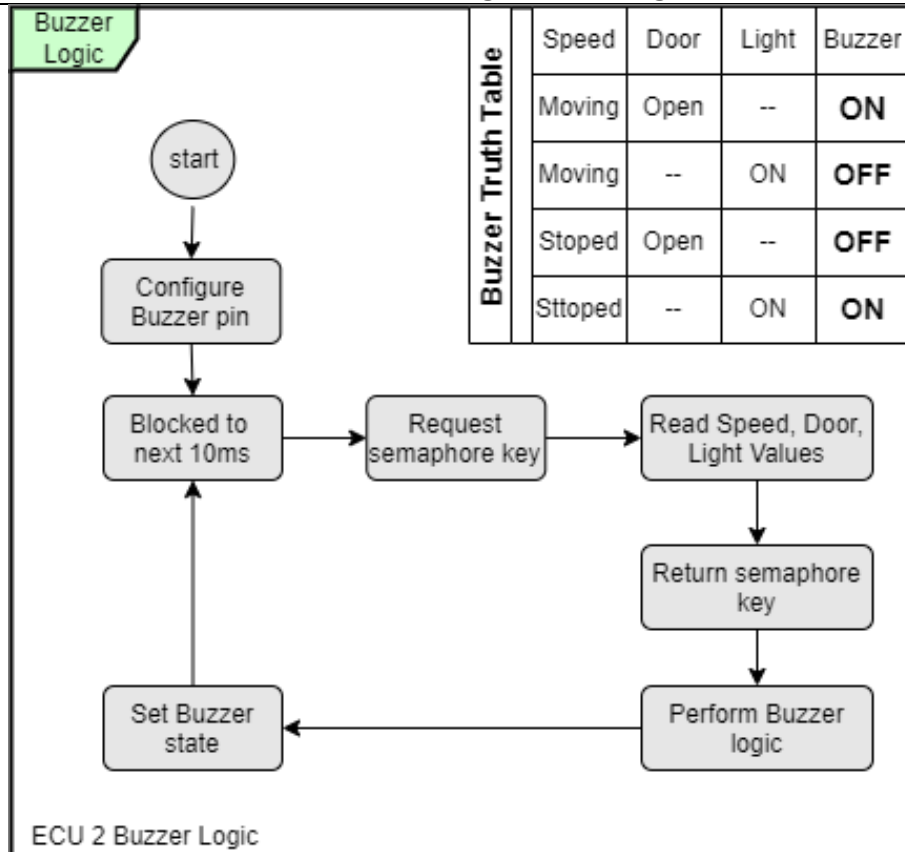
## ECU 1 Operation state diagram:



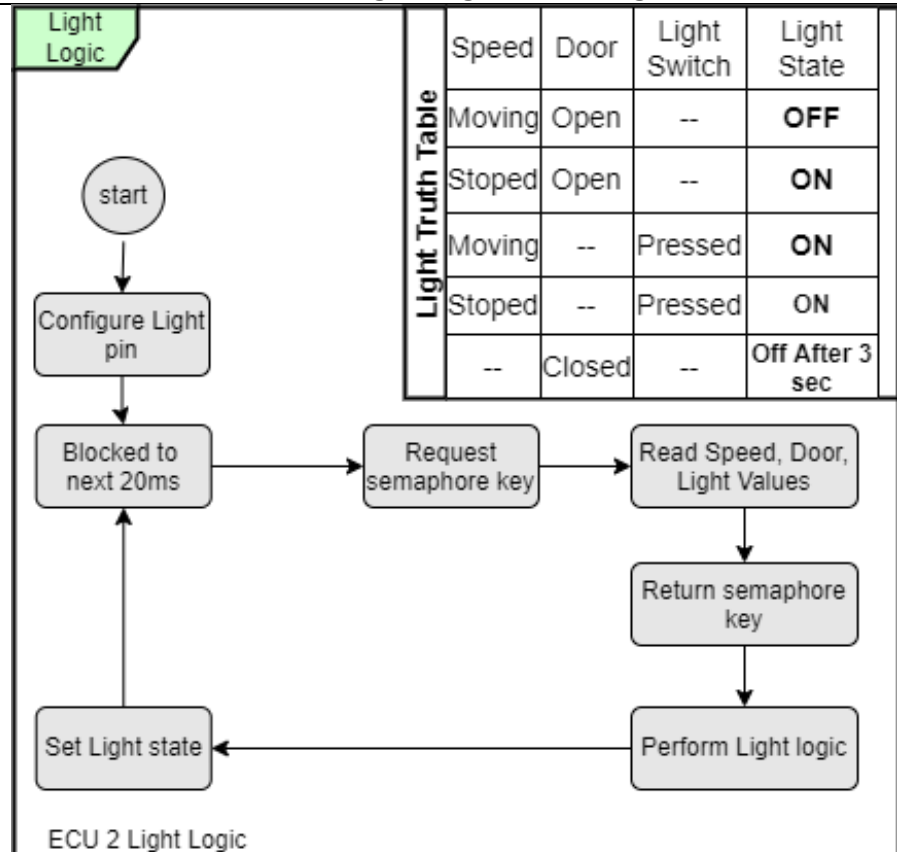
## ECU 2 state machine diagram:



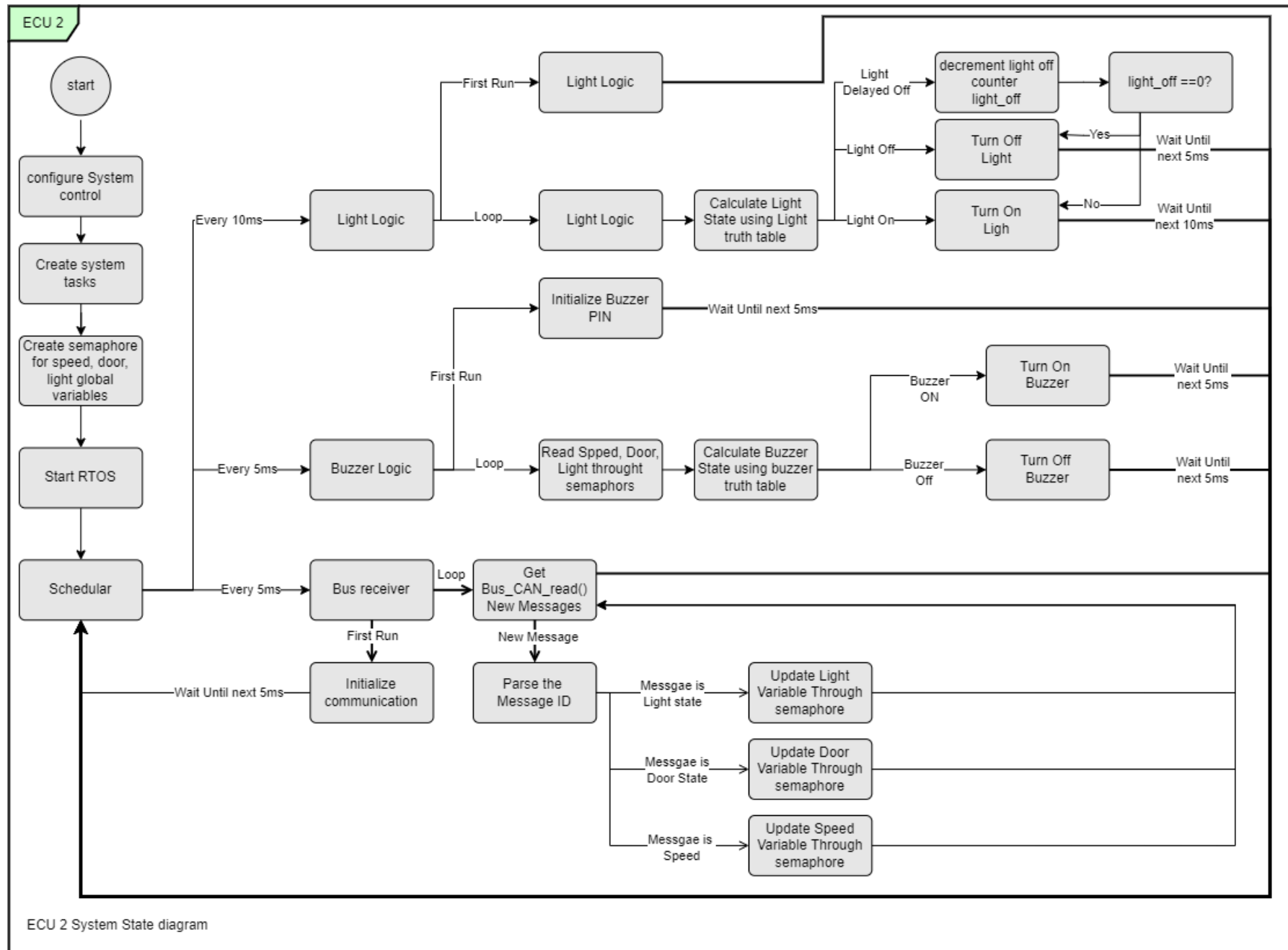
**Buzzer Logic state diagram**



**Light Logic state diagram**

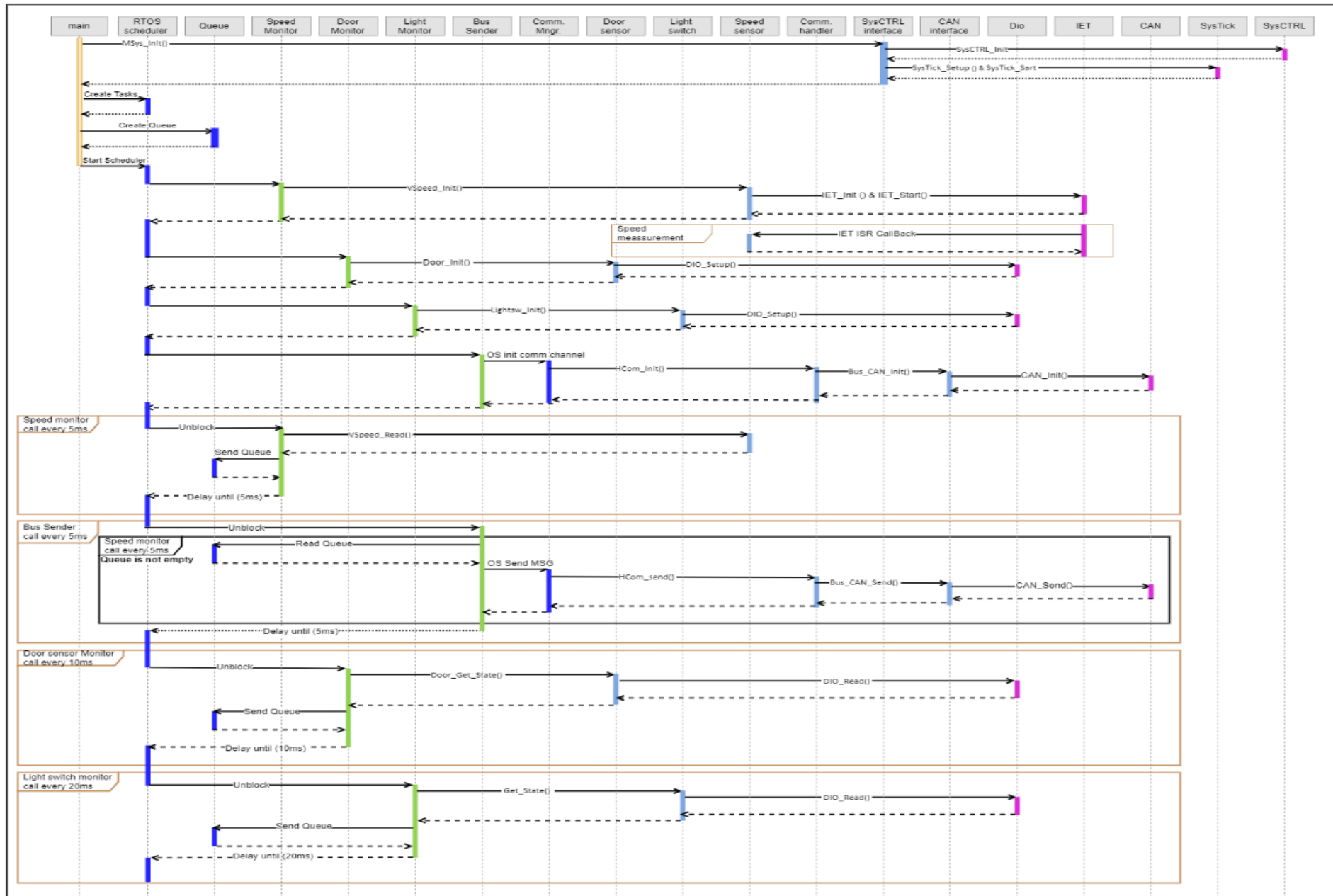


## ECU 2 Operation state diagram:

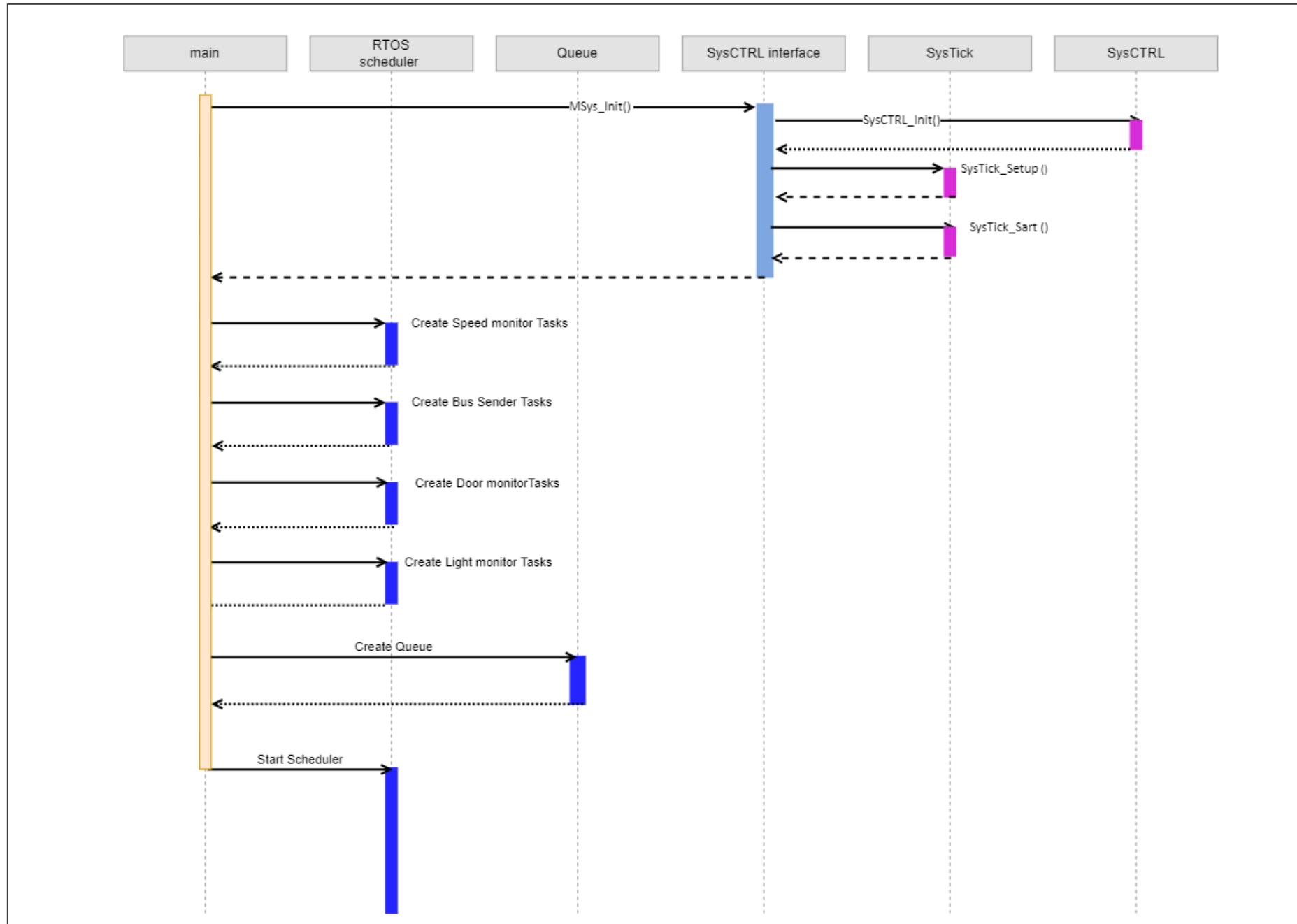


# ECU 1 System sequence diagram:

## ECU 1 sequence diagram:

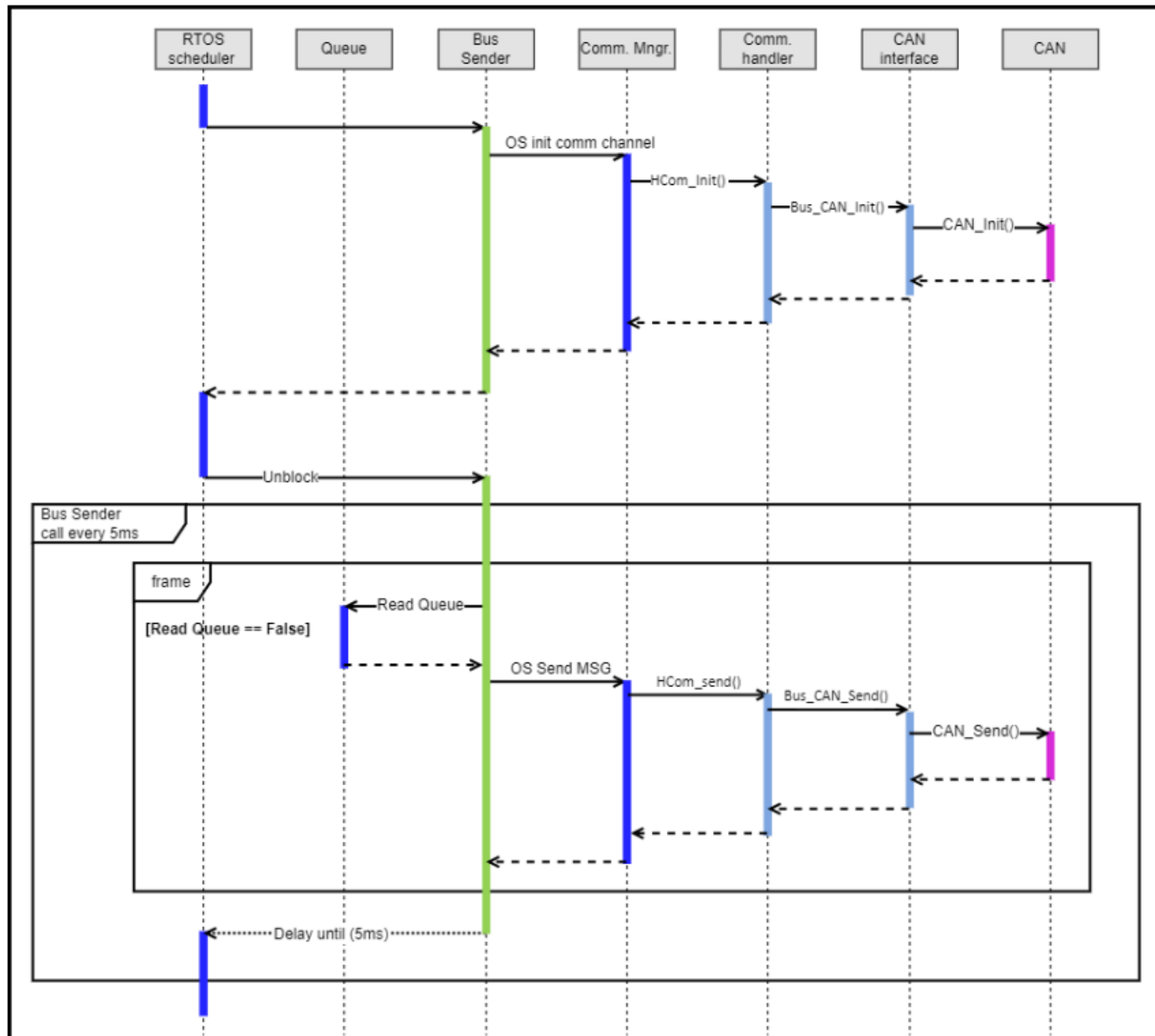


## ECU 1 Main function sequence diagram

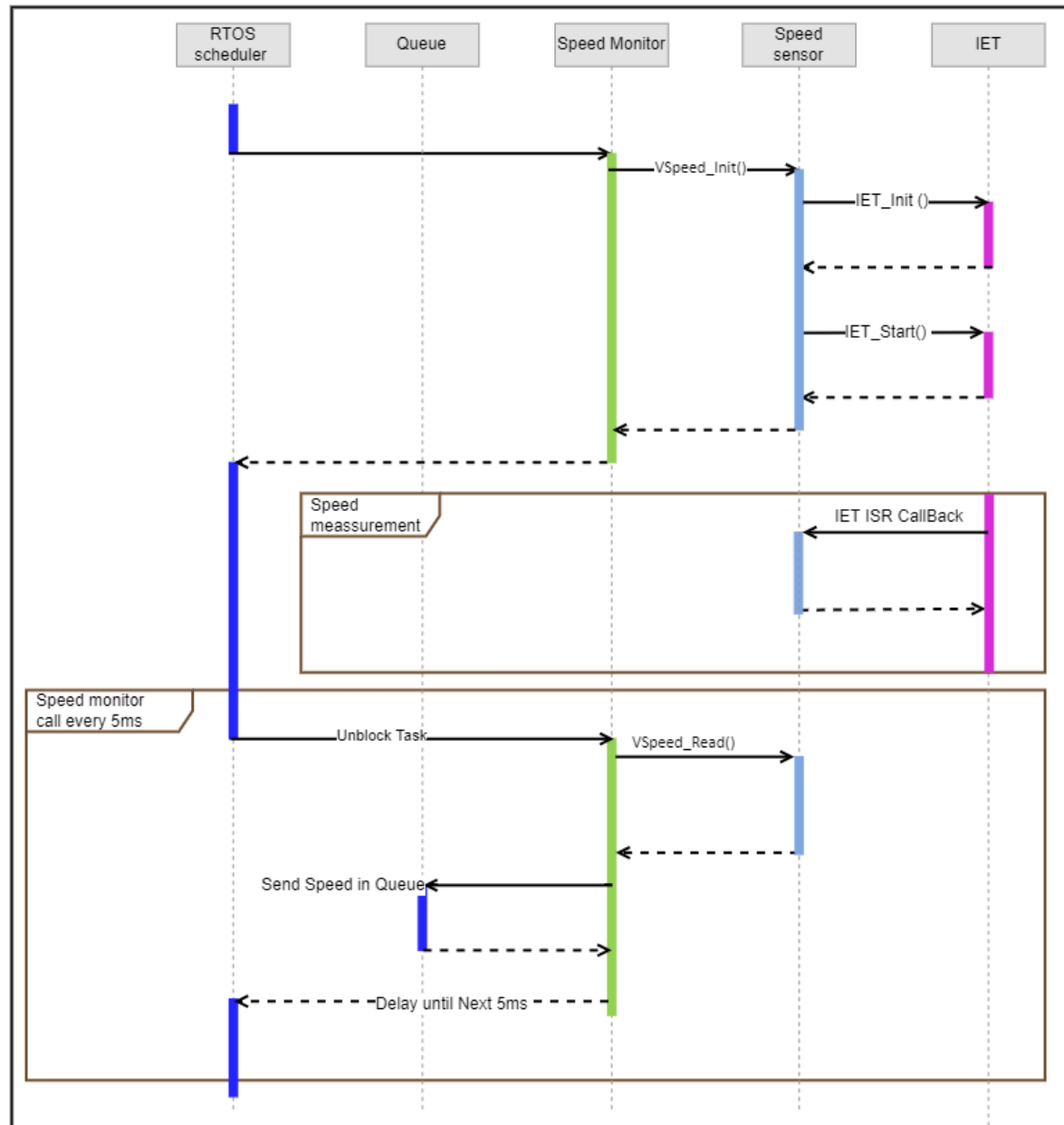




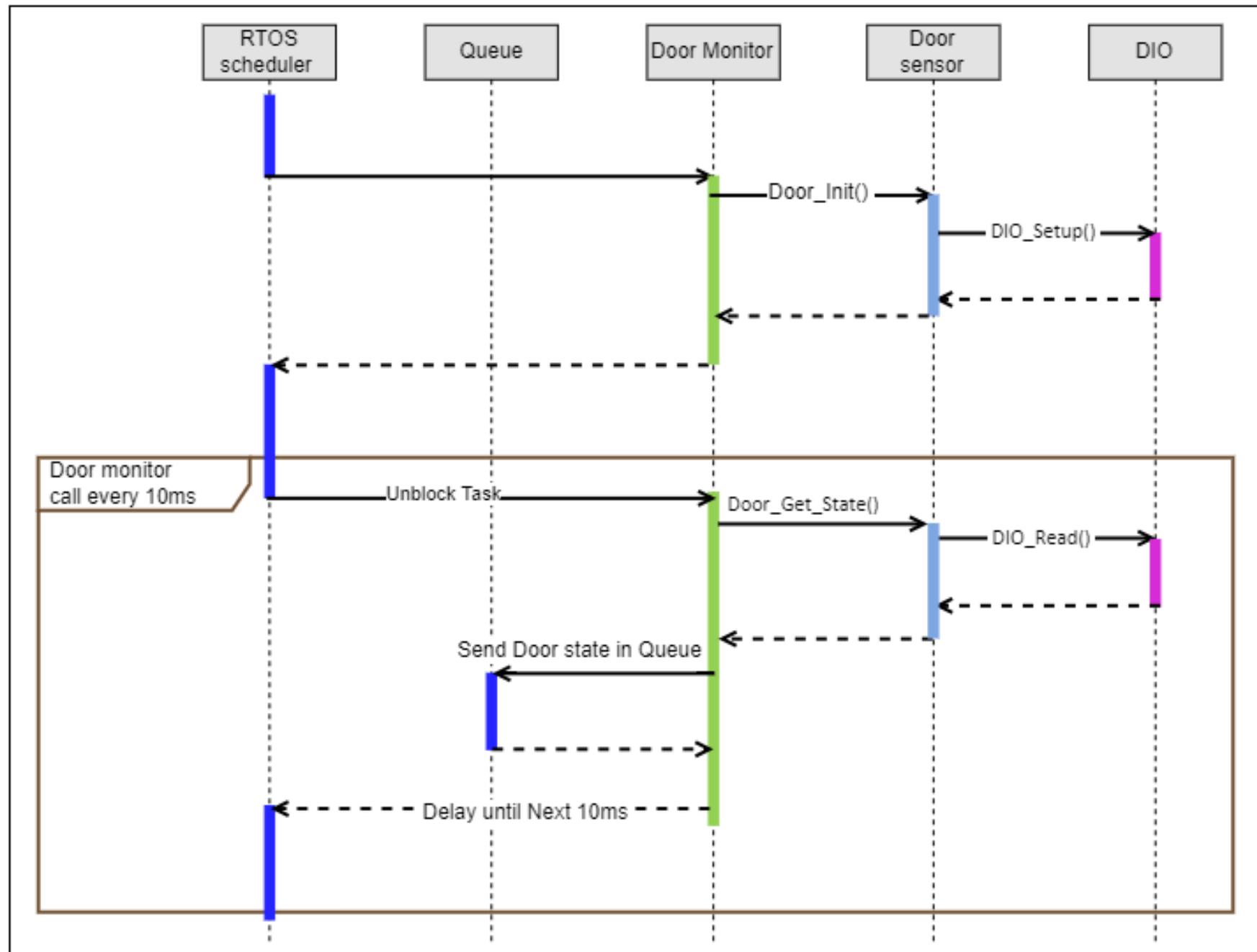
## Bus Sender sequence diagram:



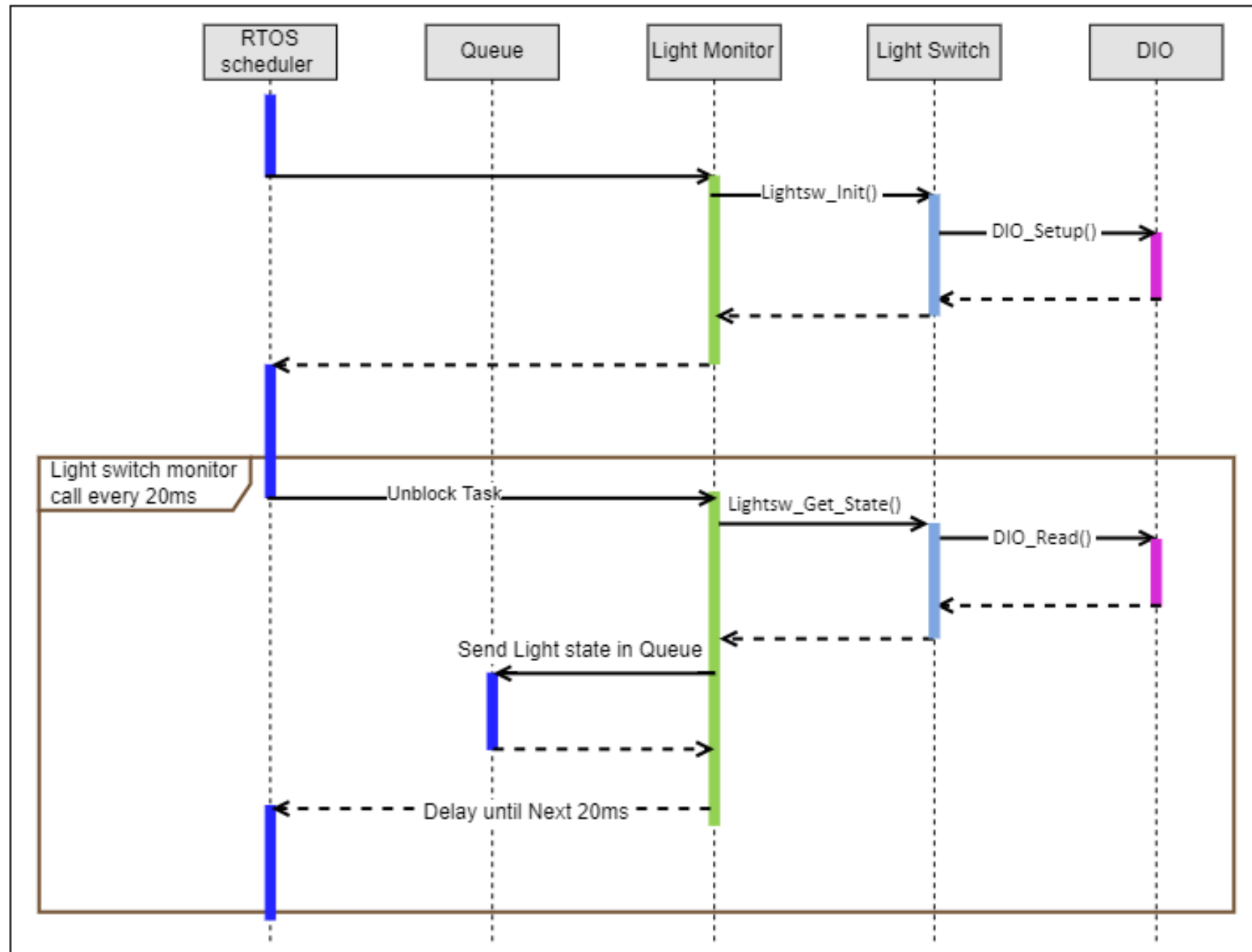
## Speed monitor sequence diagram:



## Door Monitor sequence diagram:

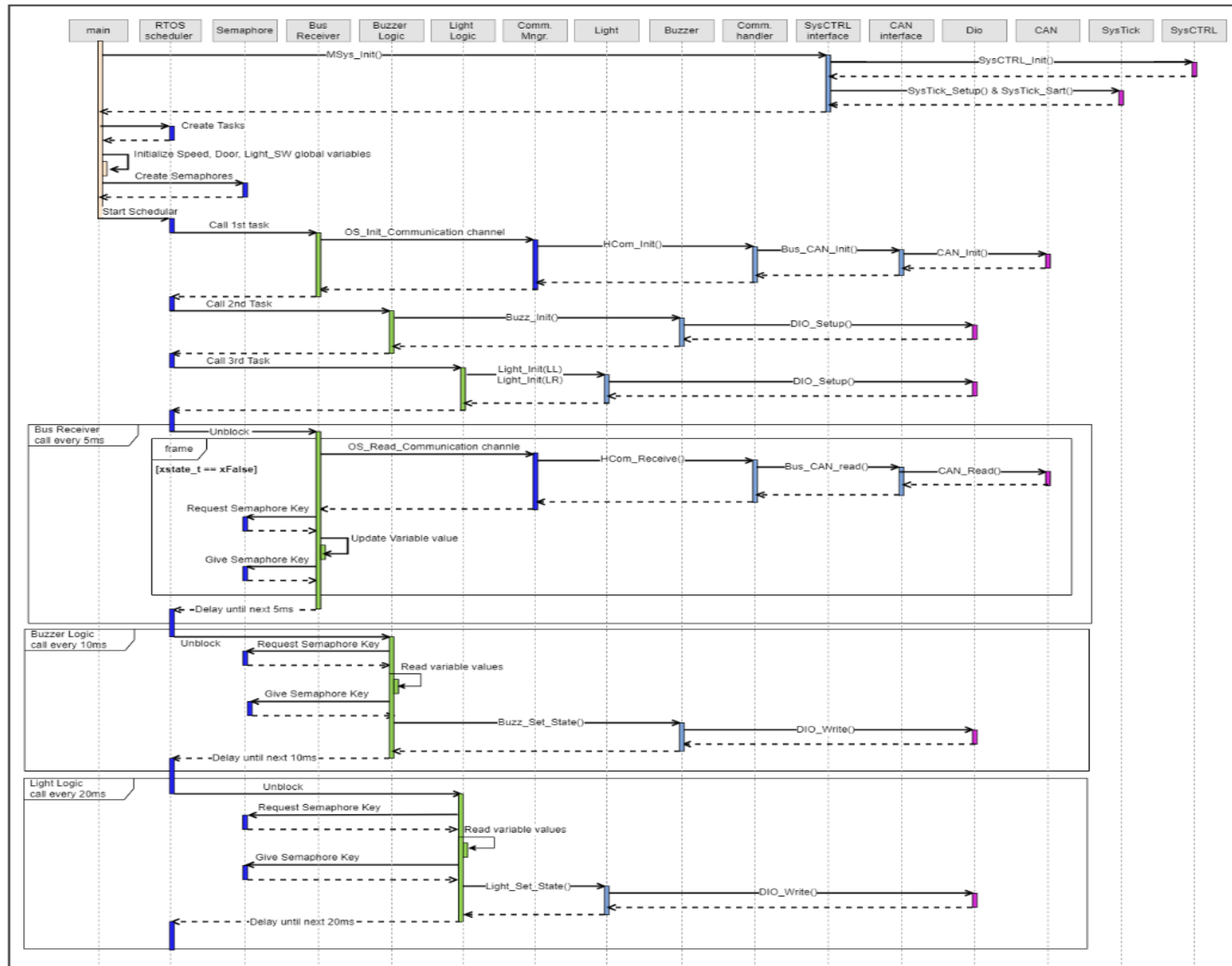


## Light Switch Monitor sequence diagram:

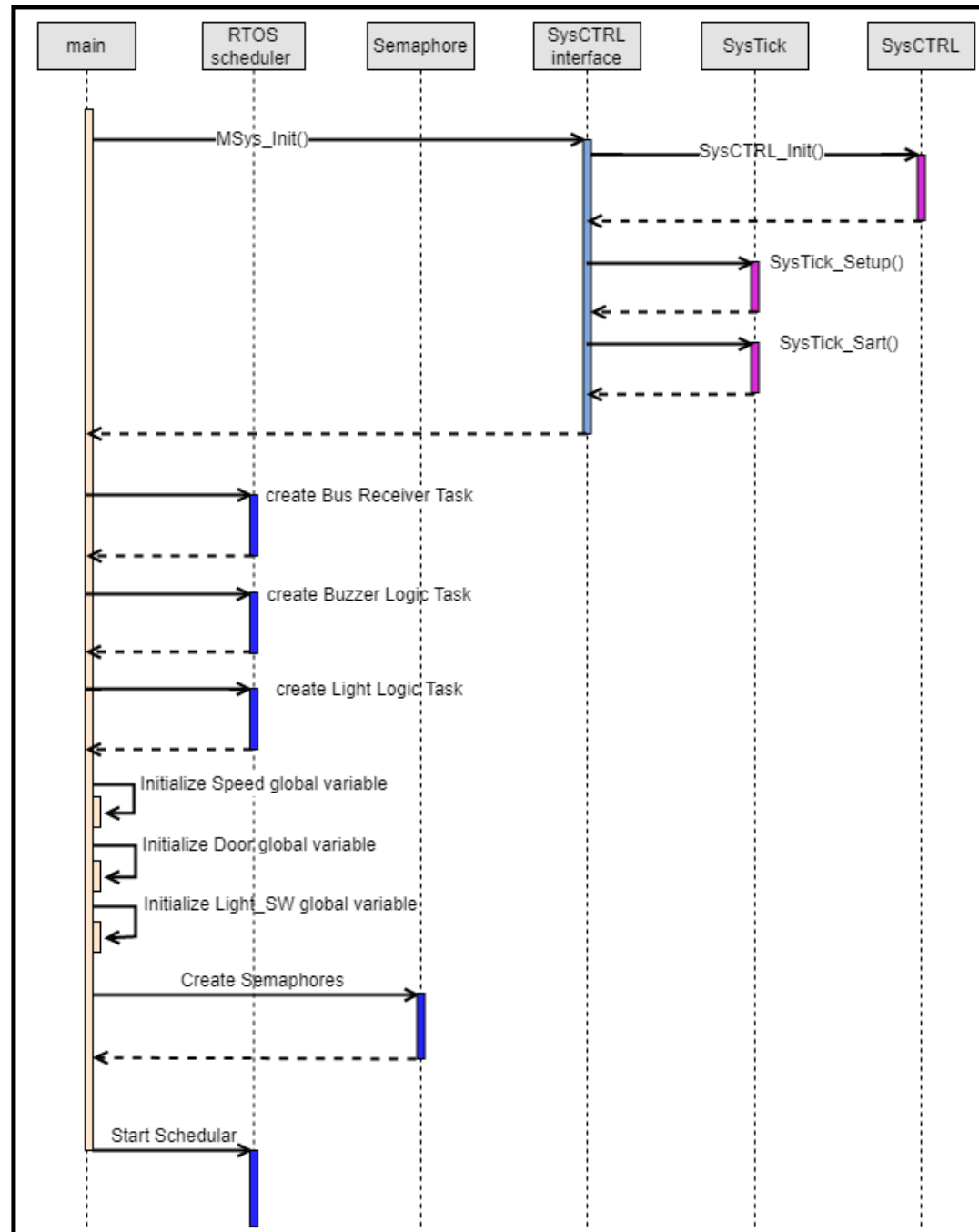


# ECU 2 System sequence diagram:

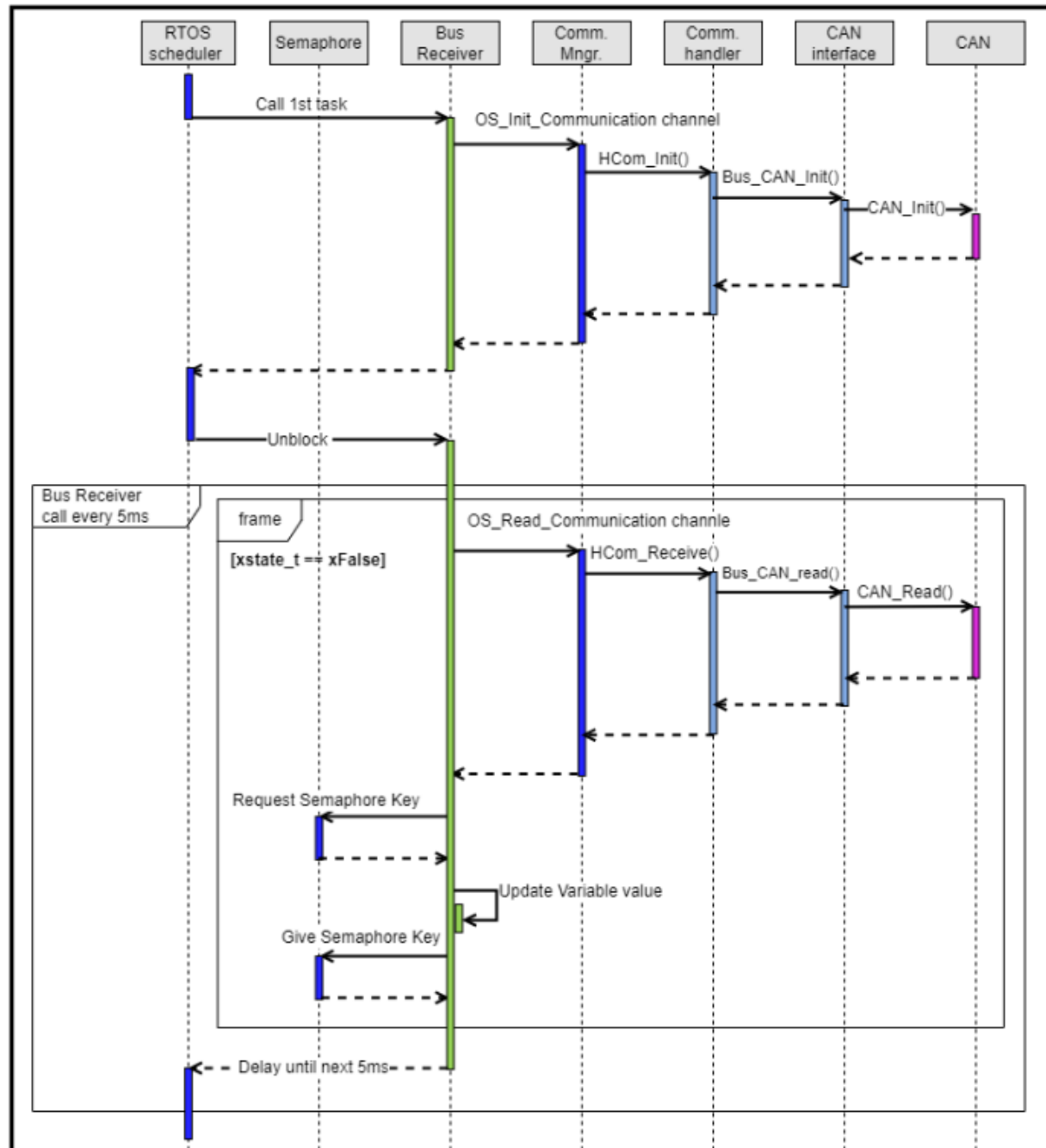
## ECU 2 sequence diagram:



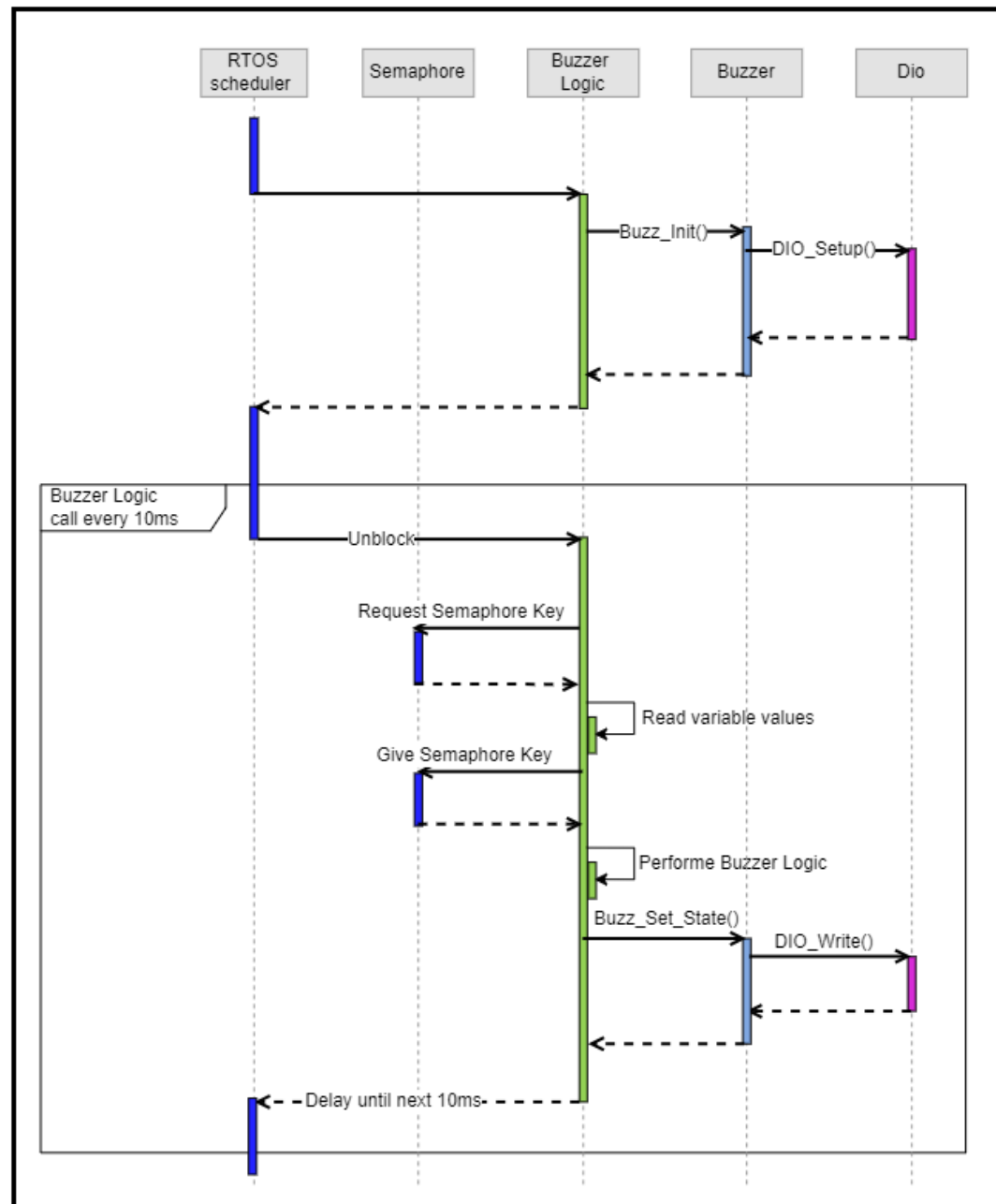
## ECU 2 Main function sequence diagram:



## Bus Receiver sequence diagram:



## Buzzer Logic sequence diagram:





## Light Logic sequence diagram:

