EGYP**FWD** Initiative

Advanced Embedded Systems Nanodegree,

Embedded Software Design Masterclass by SPRINTS Egypt.

Automotive Door Control System Dynamic Design

A Graduation Project submitted in partial Fulfillment of

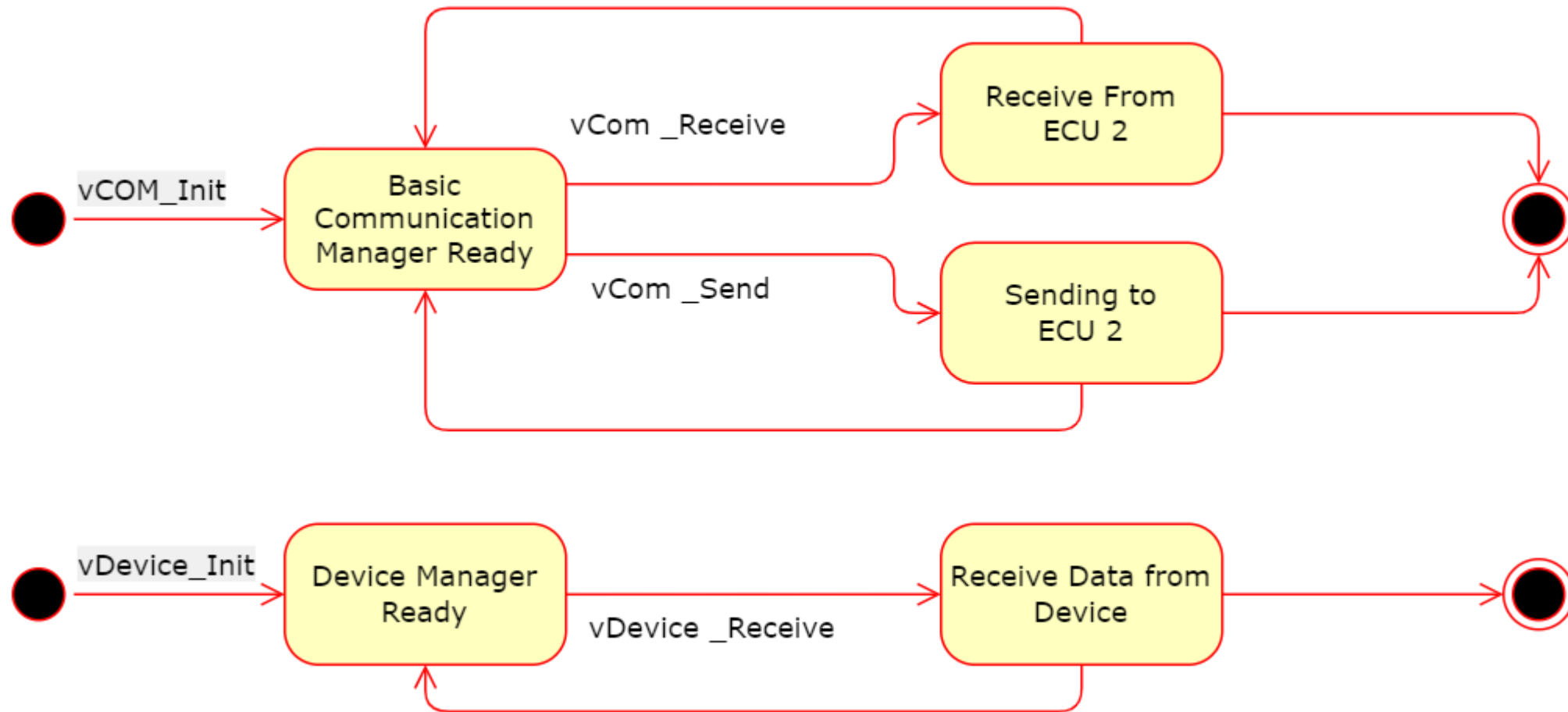**Embedded Software Design Masterclass.**
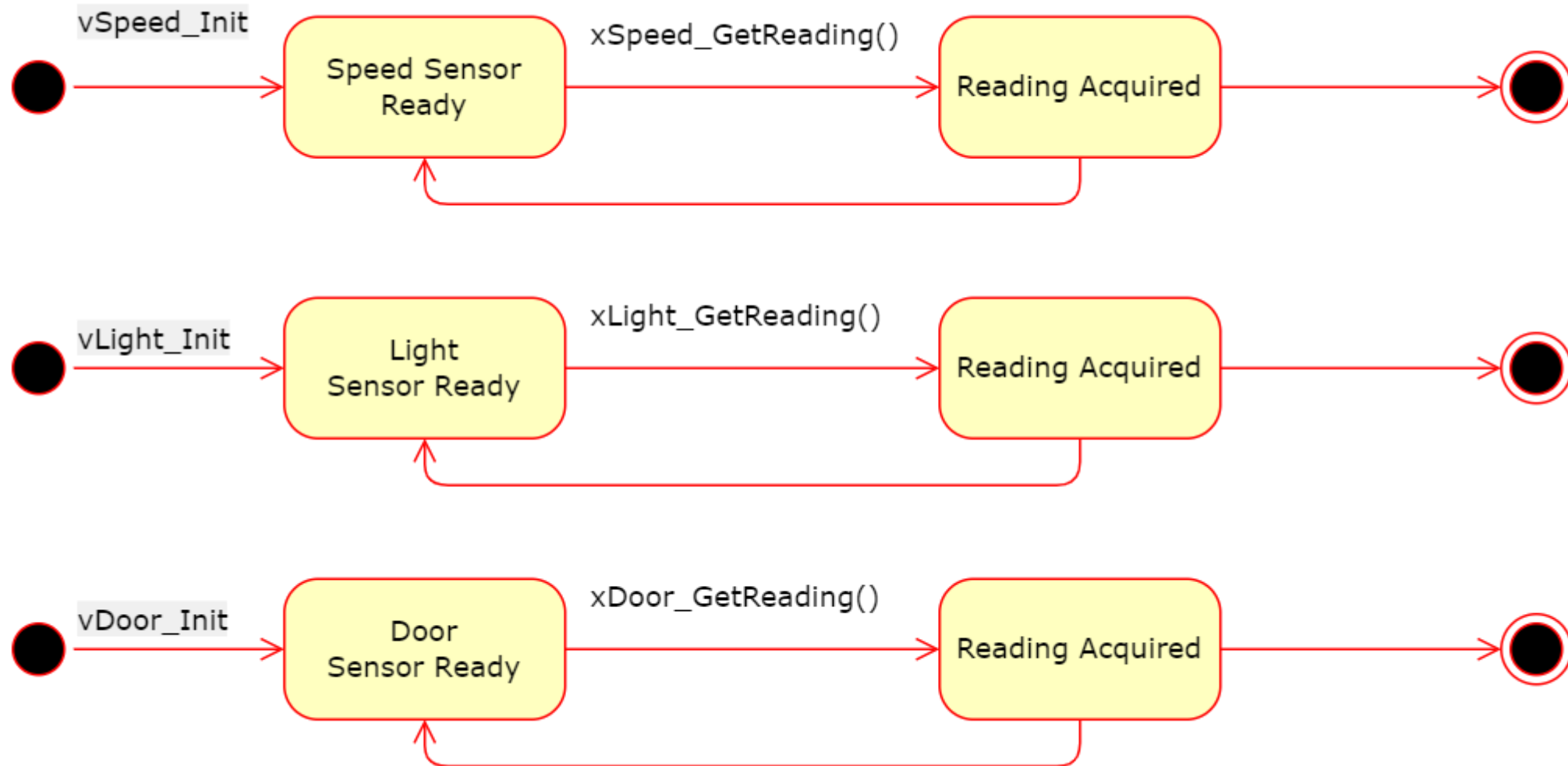
Prepared by

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LinkedIn

Github

ECU 1 : Manager Modules State Diagrams

ECU 1 : Sensor Modules State Diagrams

vSpeed_Init

Speed Sensor Ready

xSpeed_GetReading()

Reading Acquired

vLight_Init

Light Sensor Ready

xLight_GetReading()

Reading Acquired

vDoor_Init

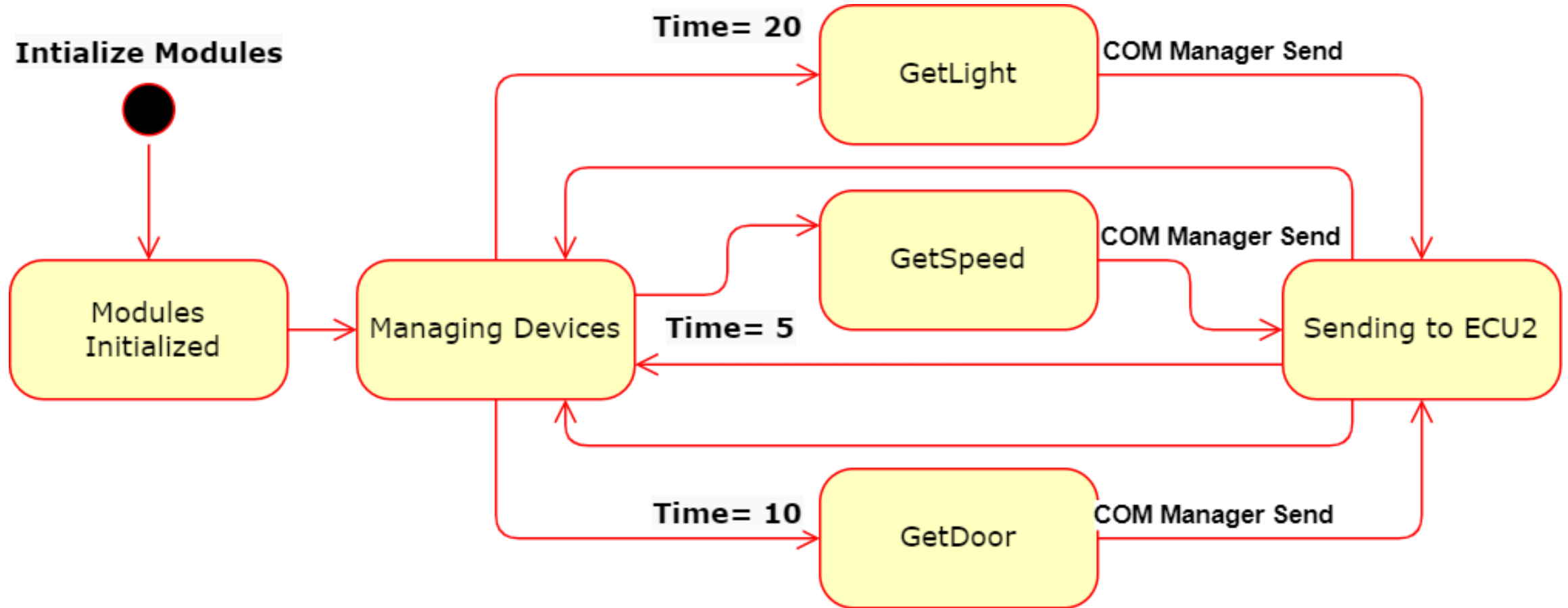Door Sensor Ready

xDoor_GetReading()

Reading Acquired

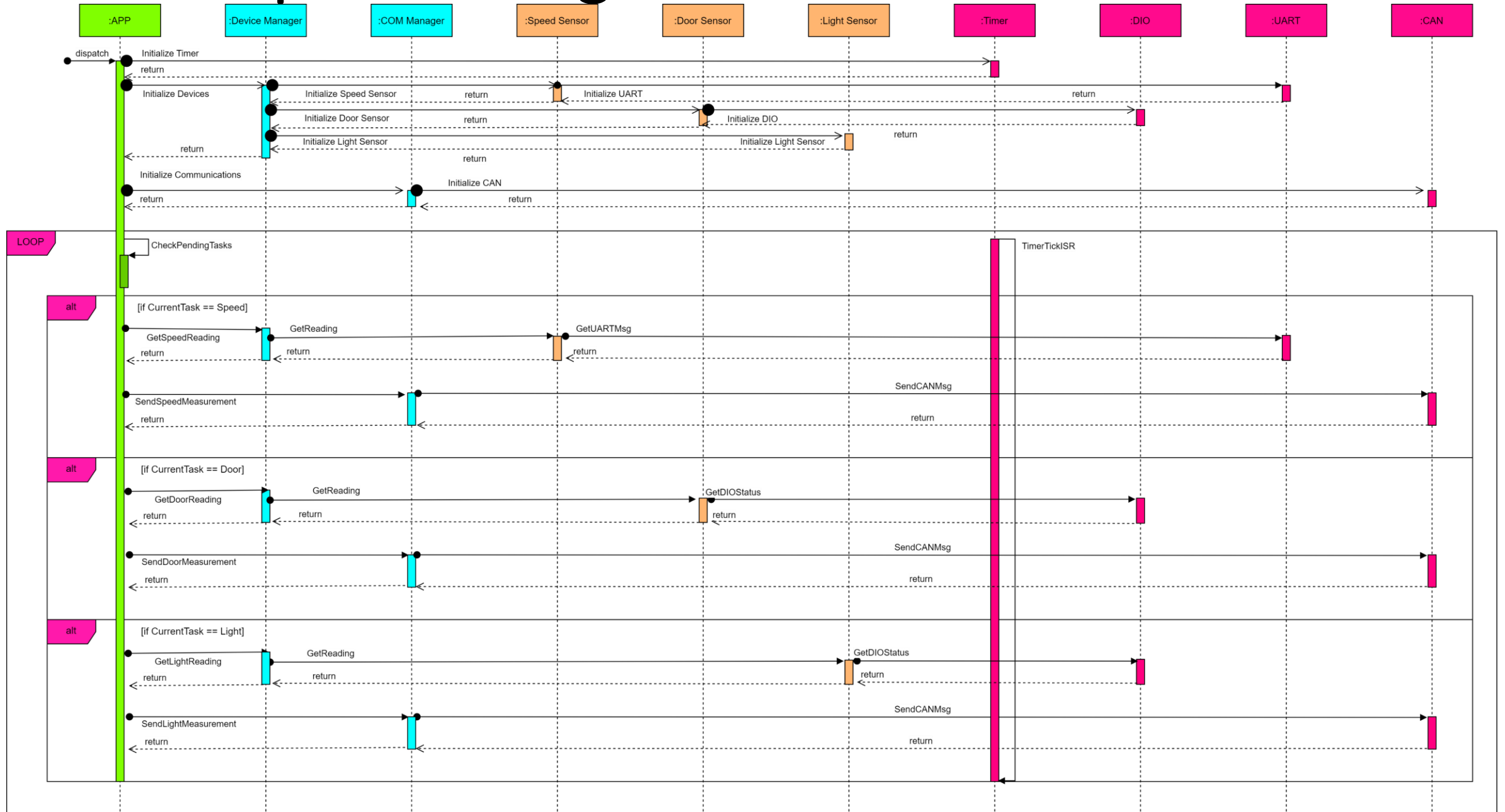# ECU 1 MCAL : DIO State Diagram
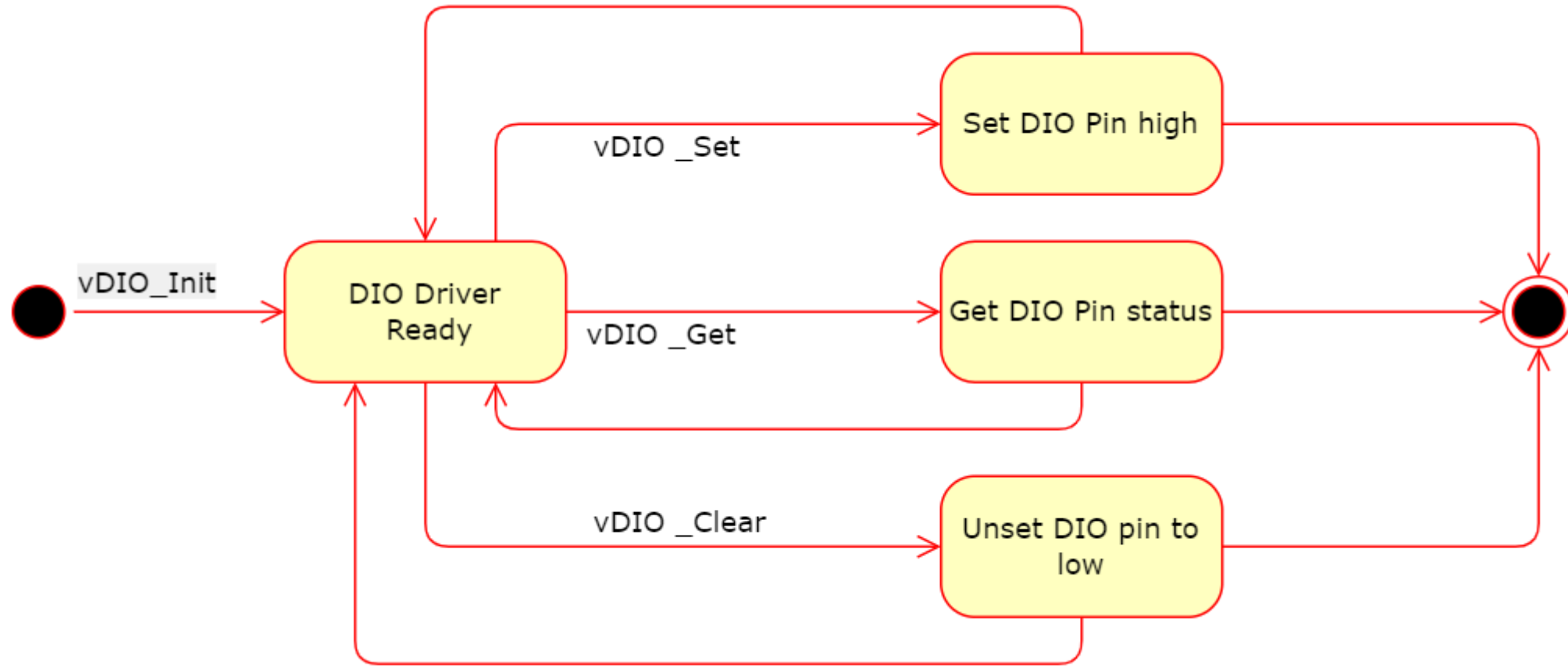
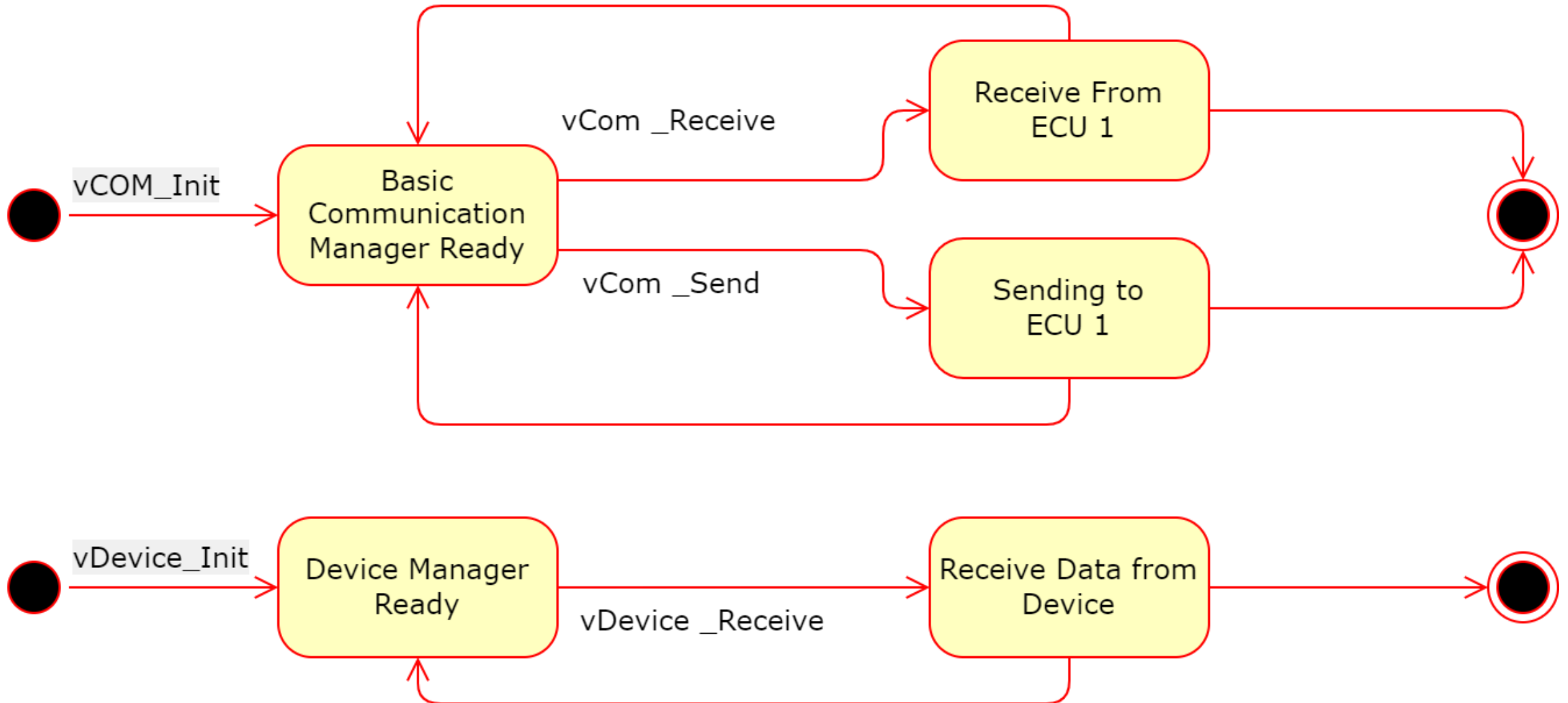# ECU 1 MCAL : COM Drivers State Diagram
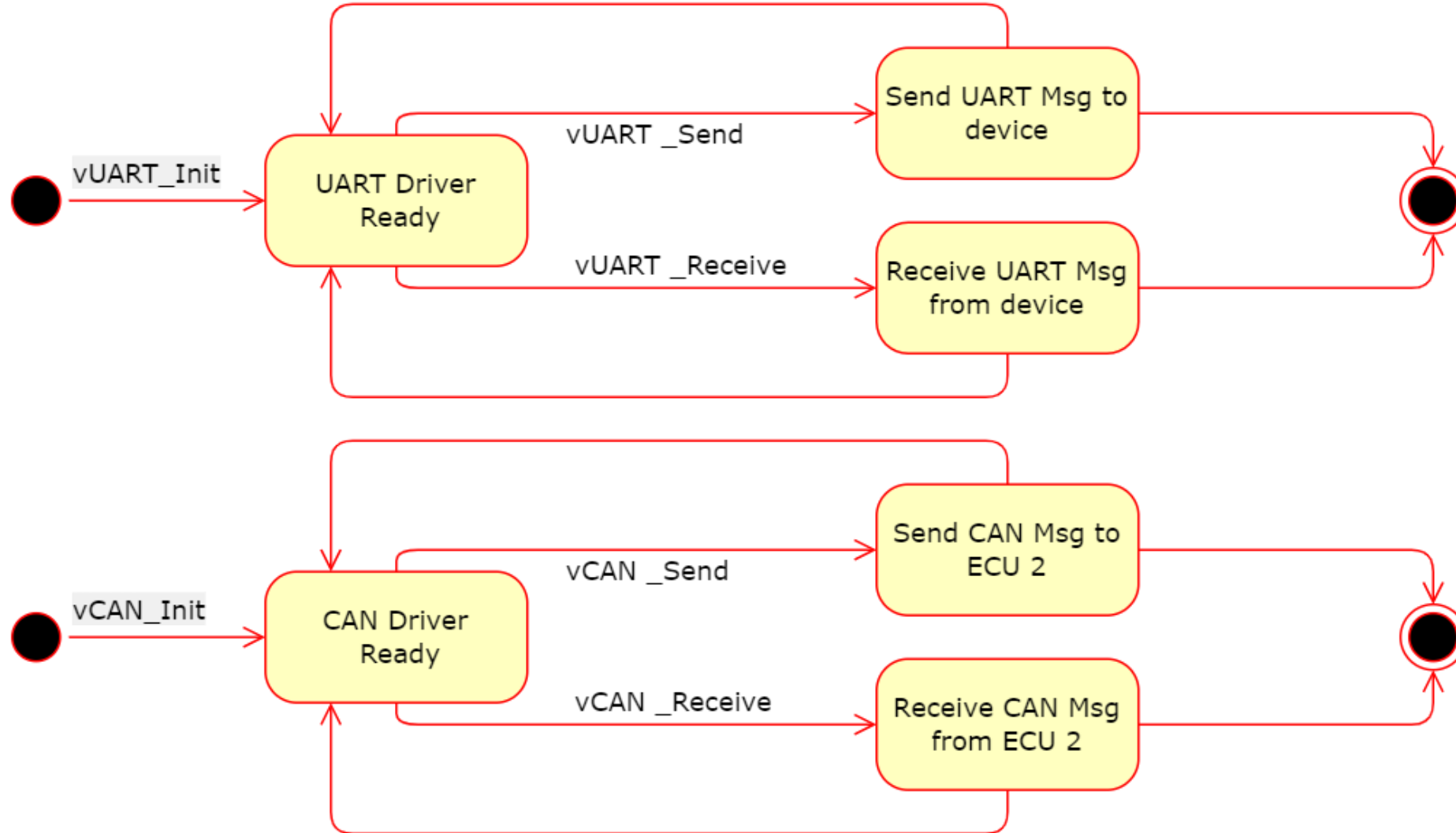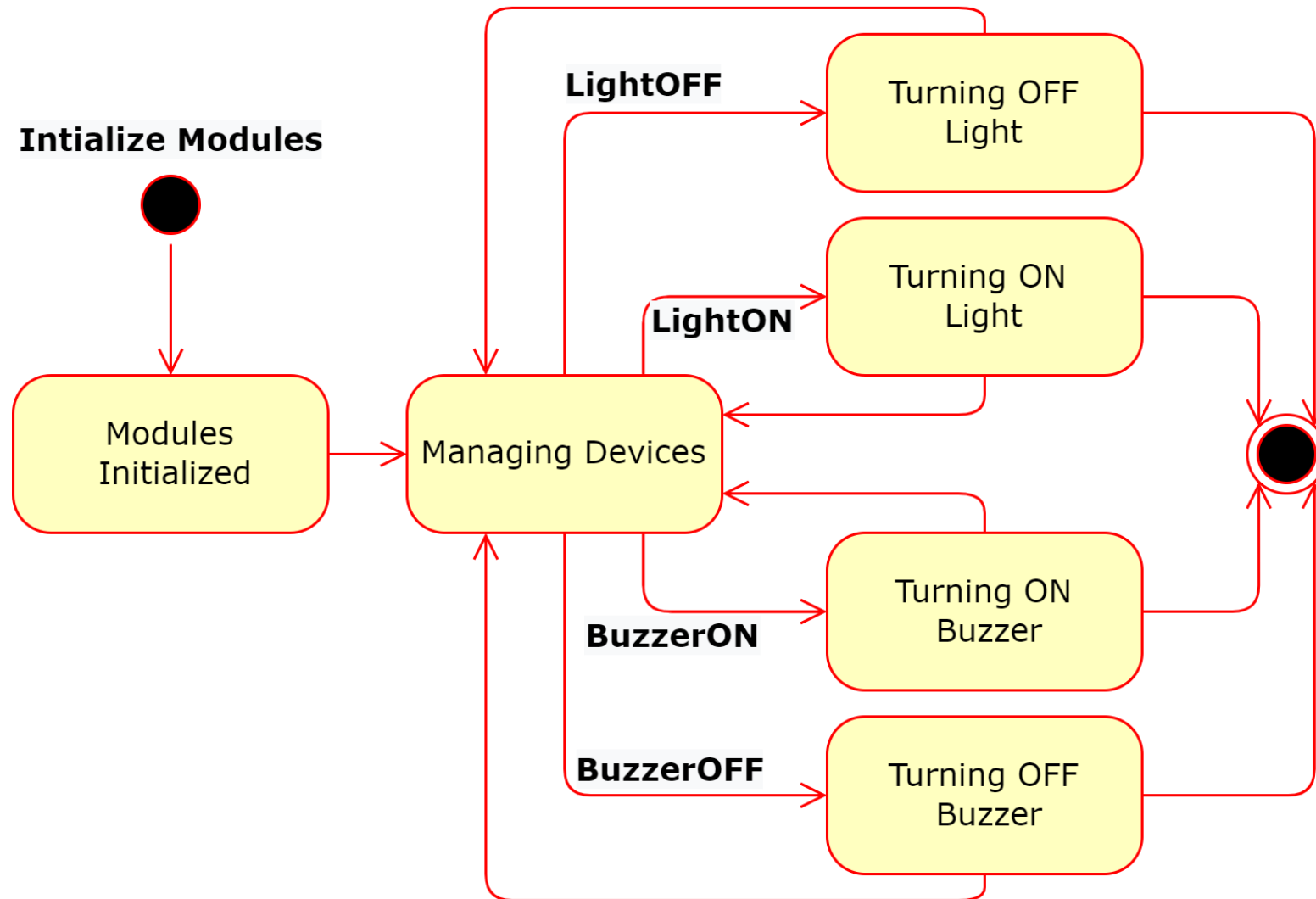
ECU 1 : State Diagram

ECU 1 : Sequence Diagram
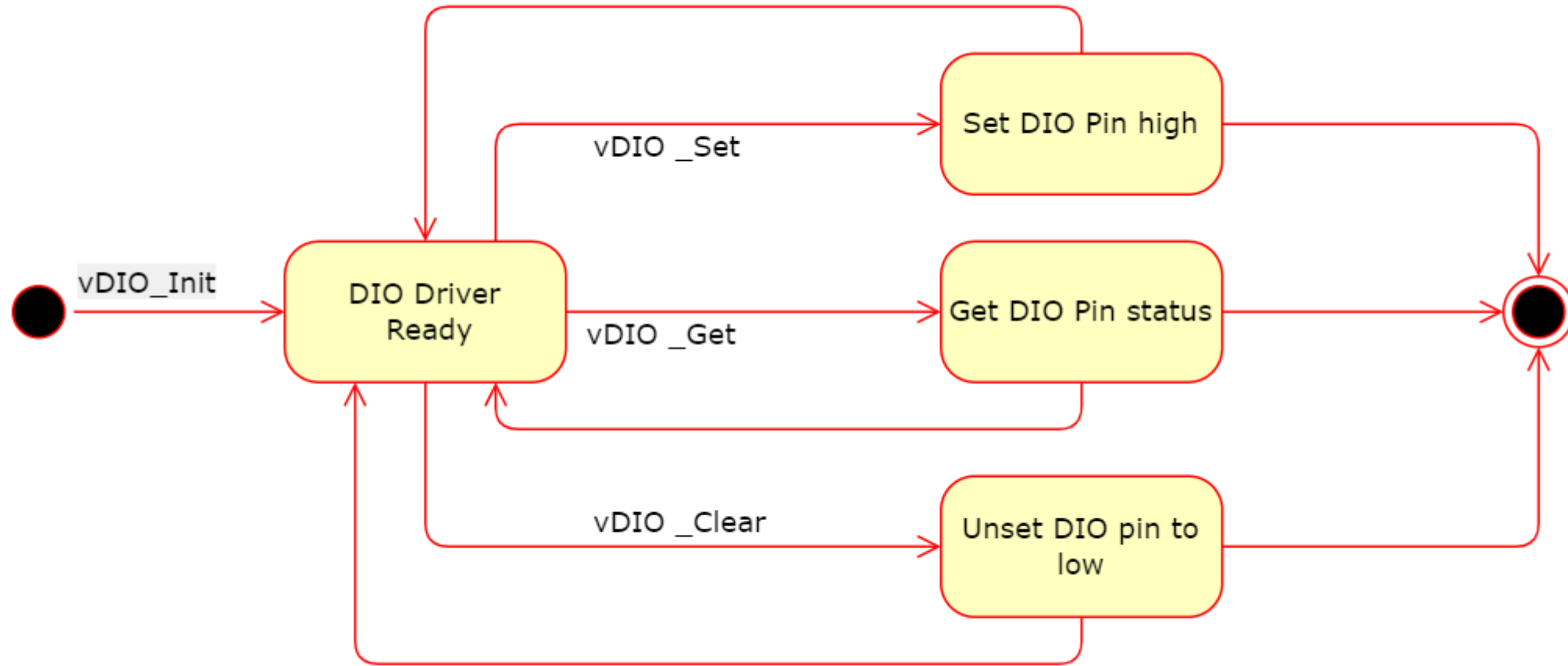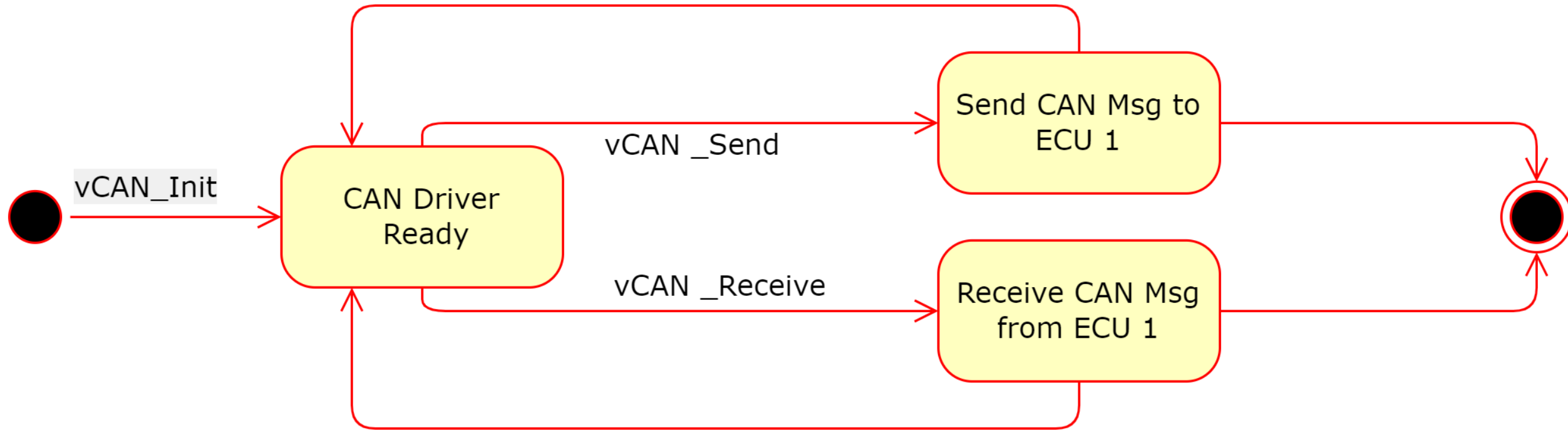
ECU 2 : Manager Modules State Diagrams

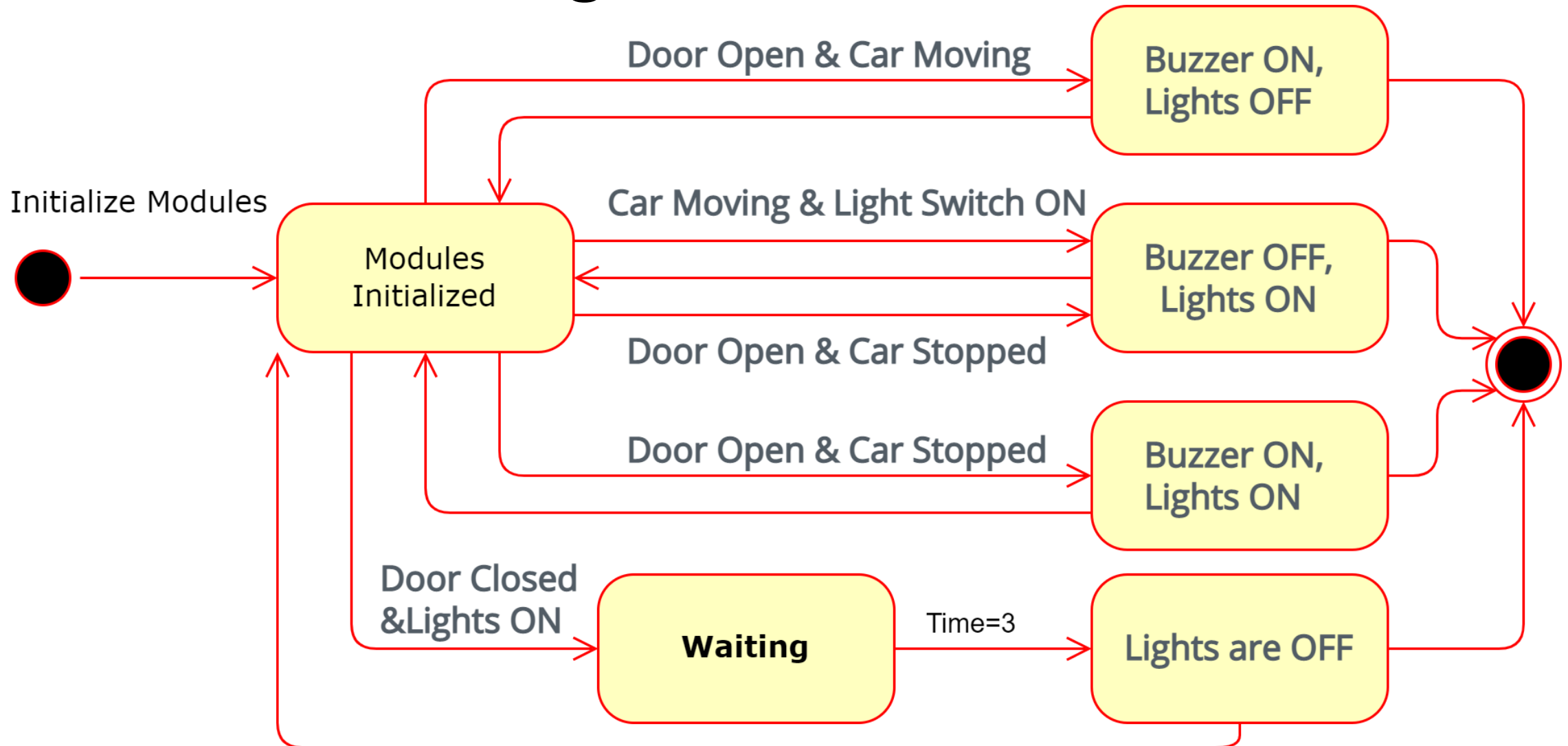# ECU 2 : Actuator Modules State Diagrams

ECU 2 MCAL : DIO State Diagram

ECU 2 MCAL : COM Drivers State Diagram

ECU 2 : State Diagram

ECU 1 : Sequence Diagram