Práctica 6_1

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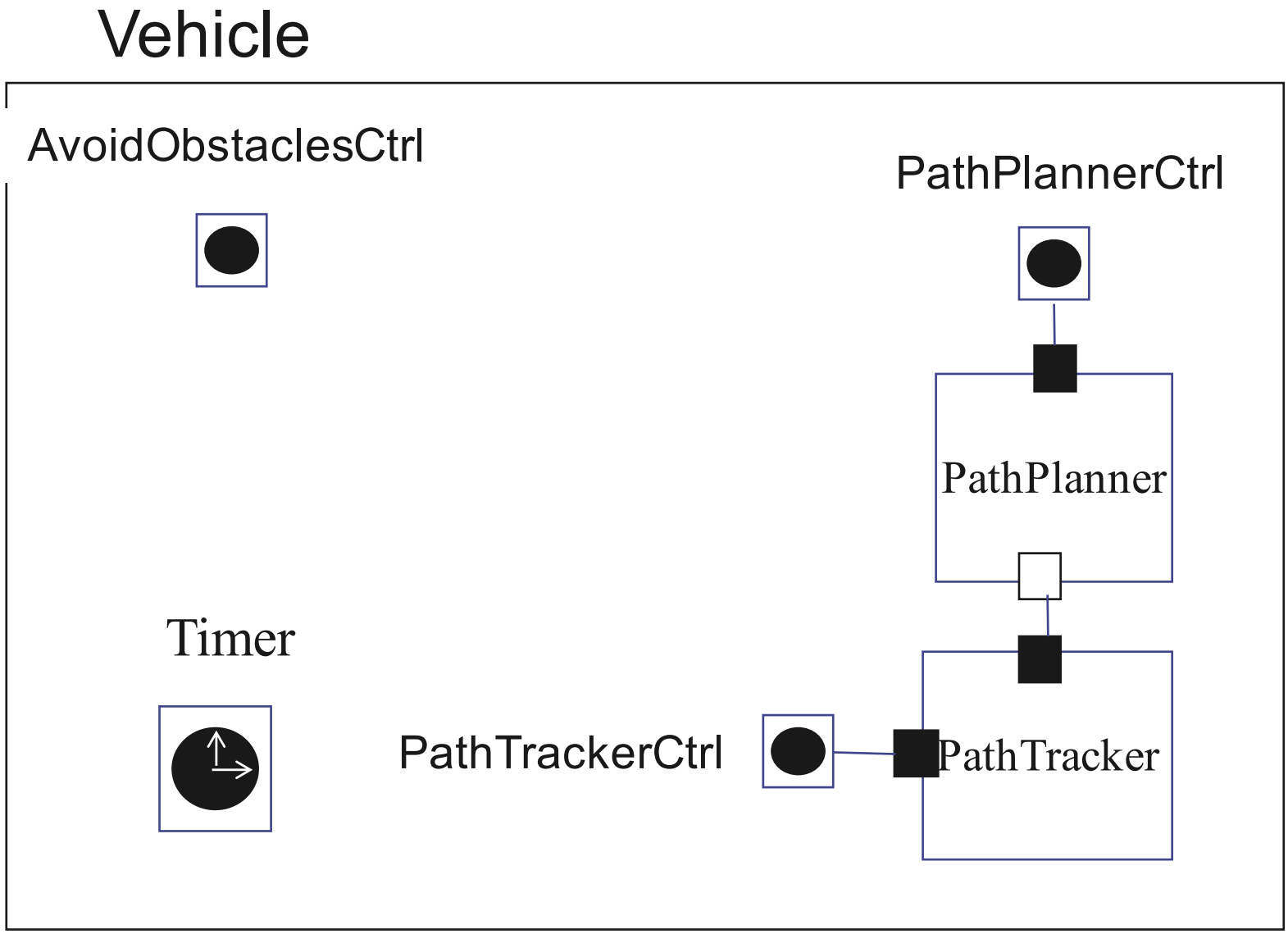
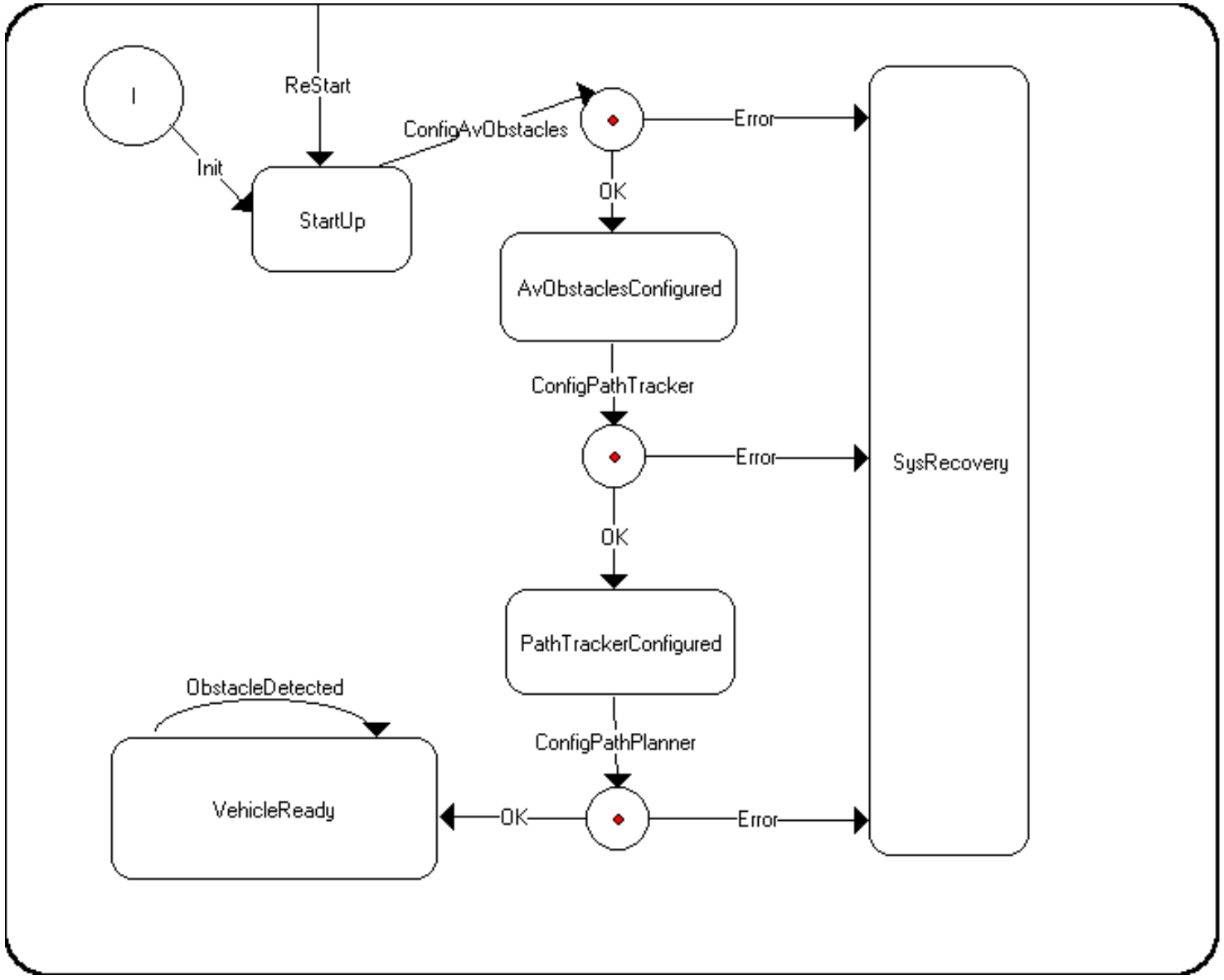
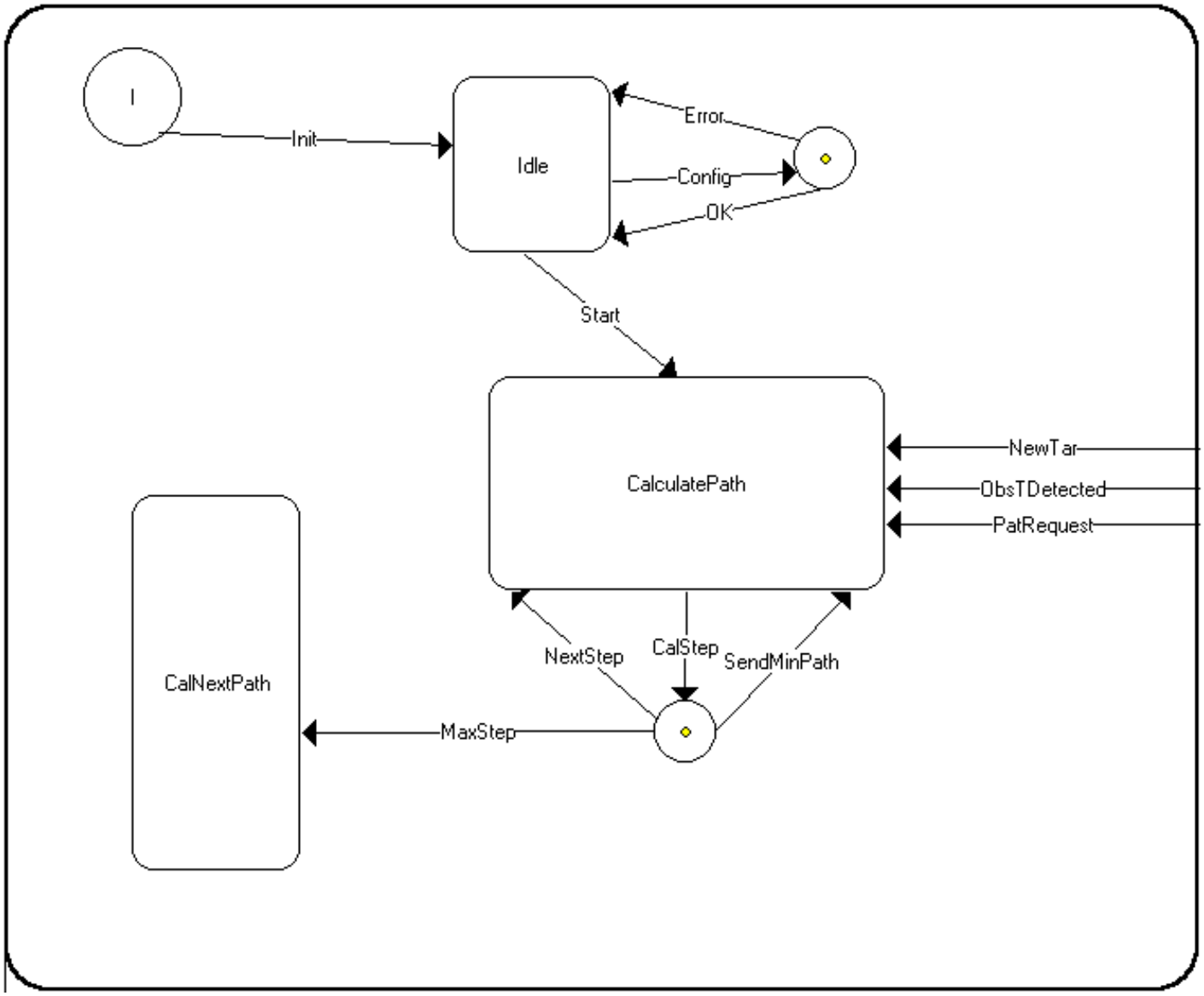
Situación inicial



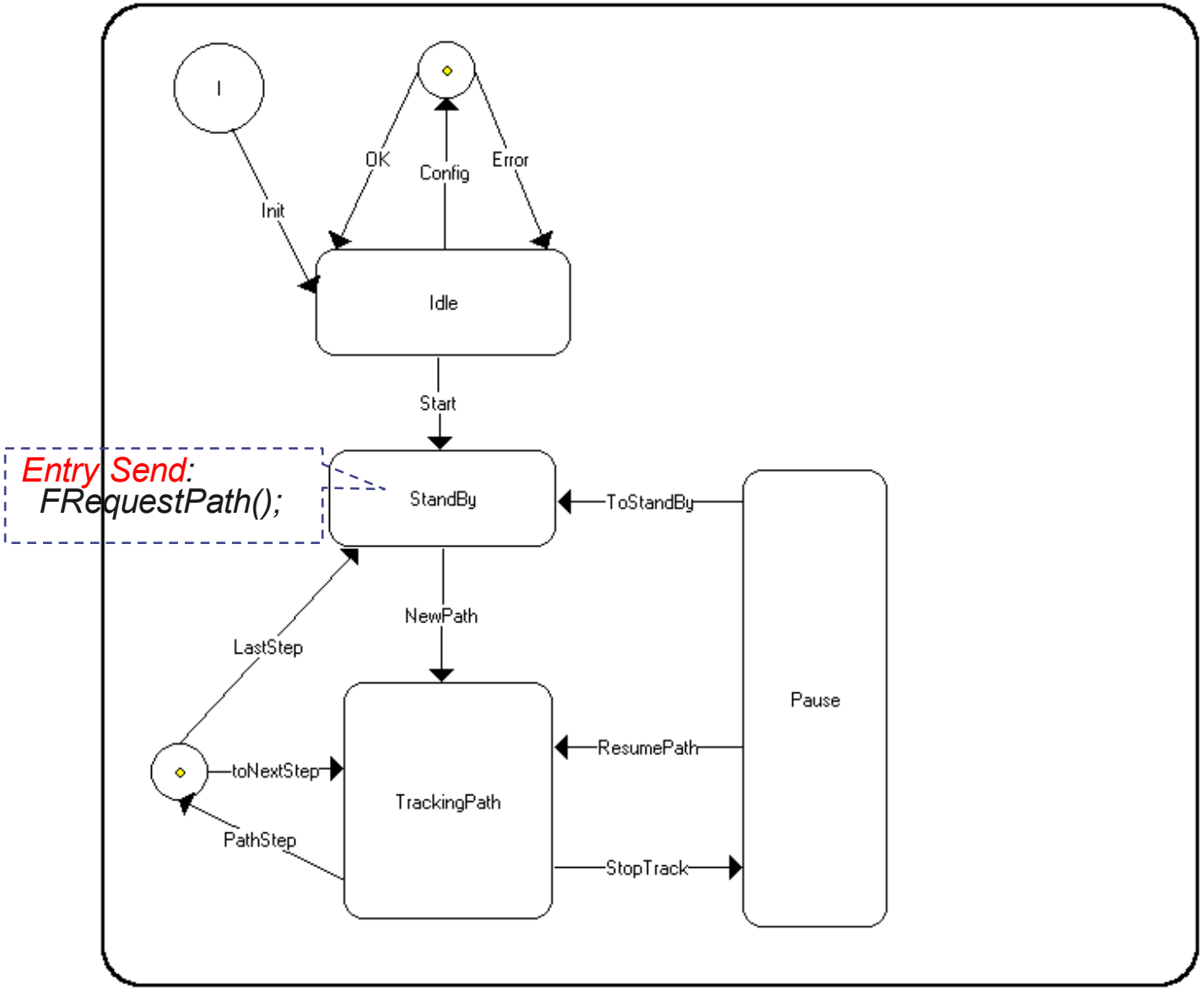
Vehicle::Behaviour



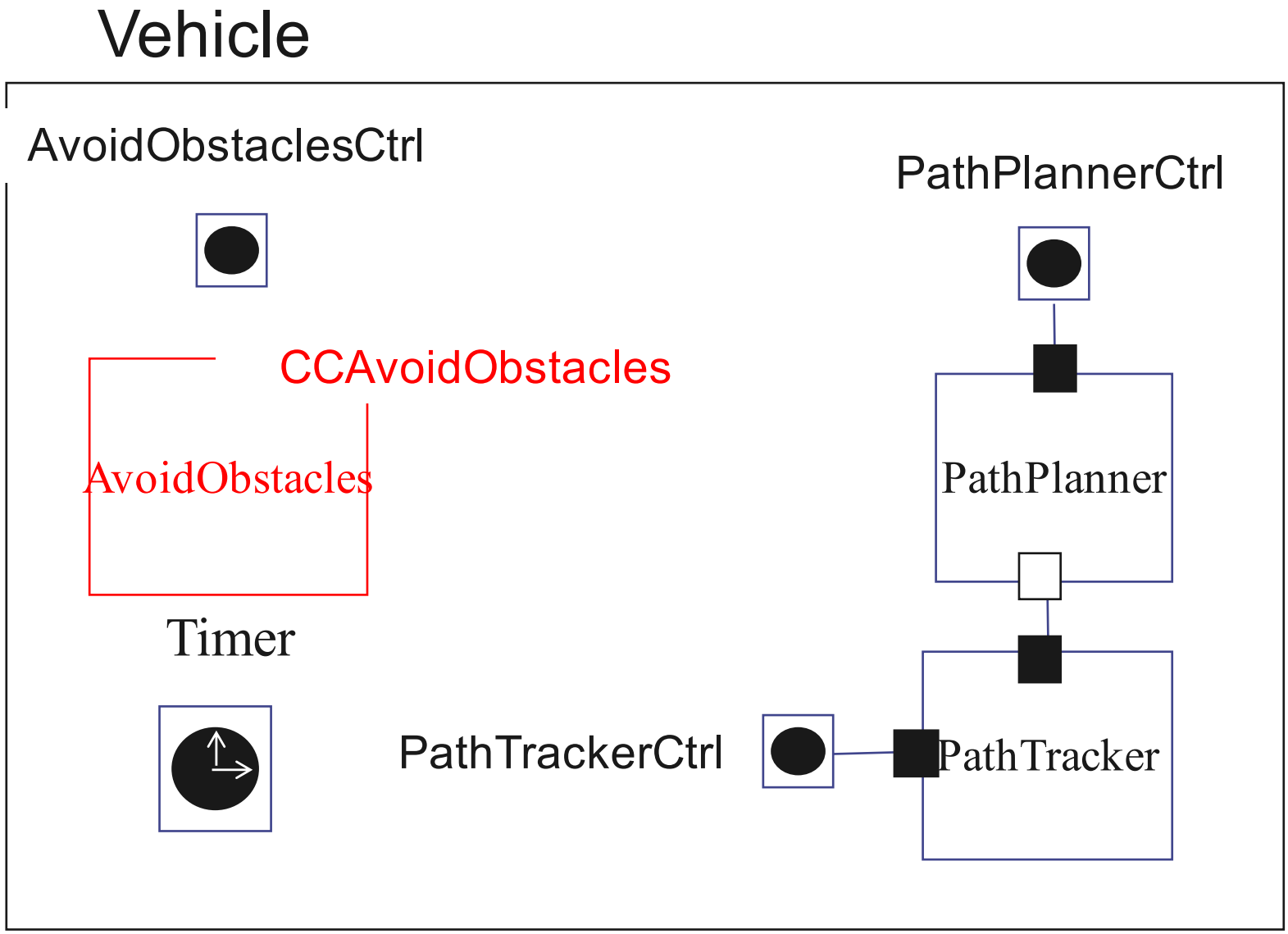
CCPathPlanner::Behaviour



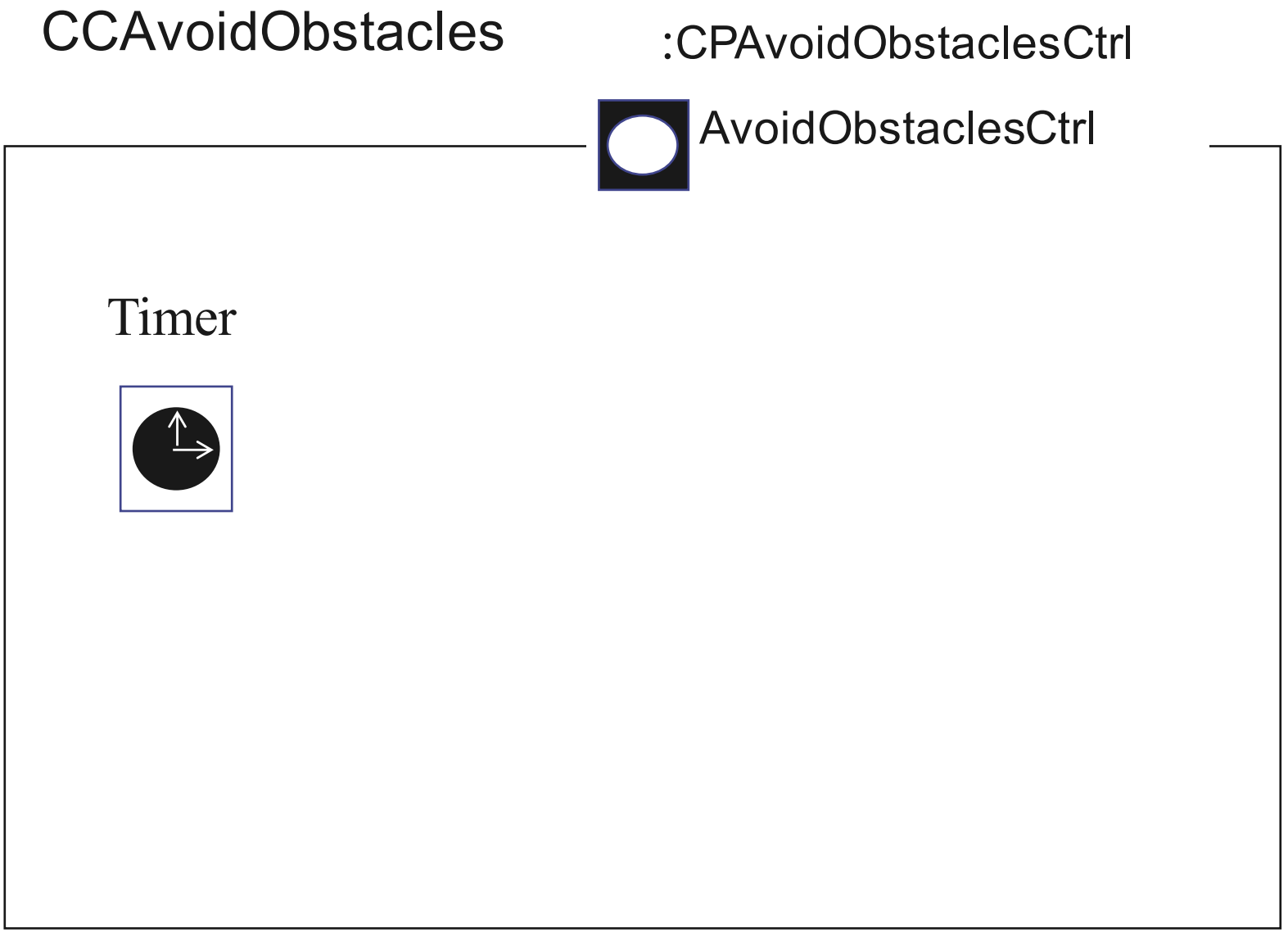
CCPathTracker::Behaviour



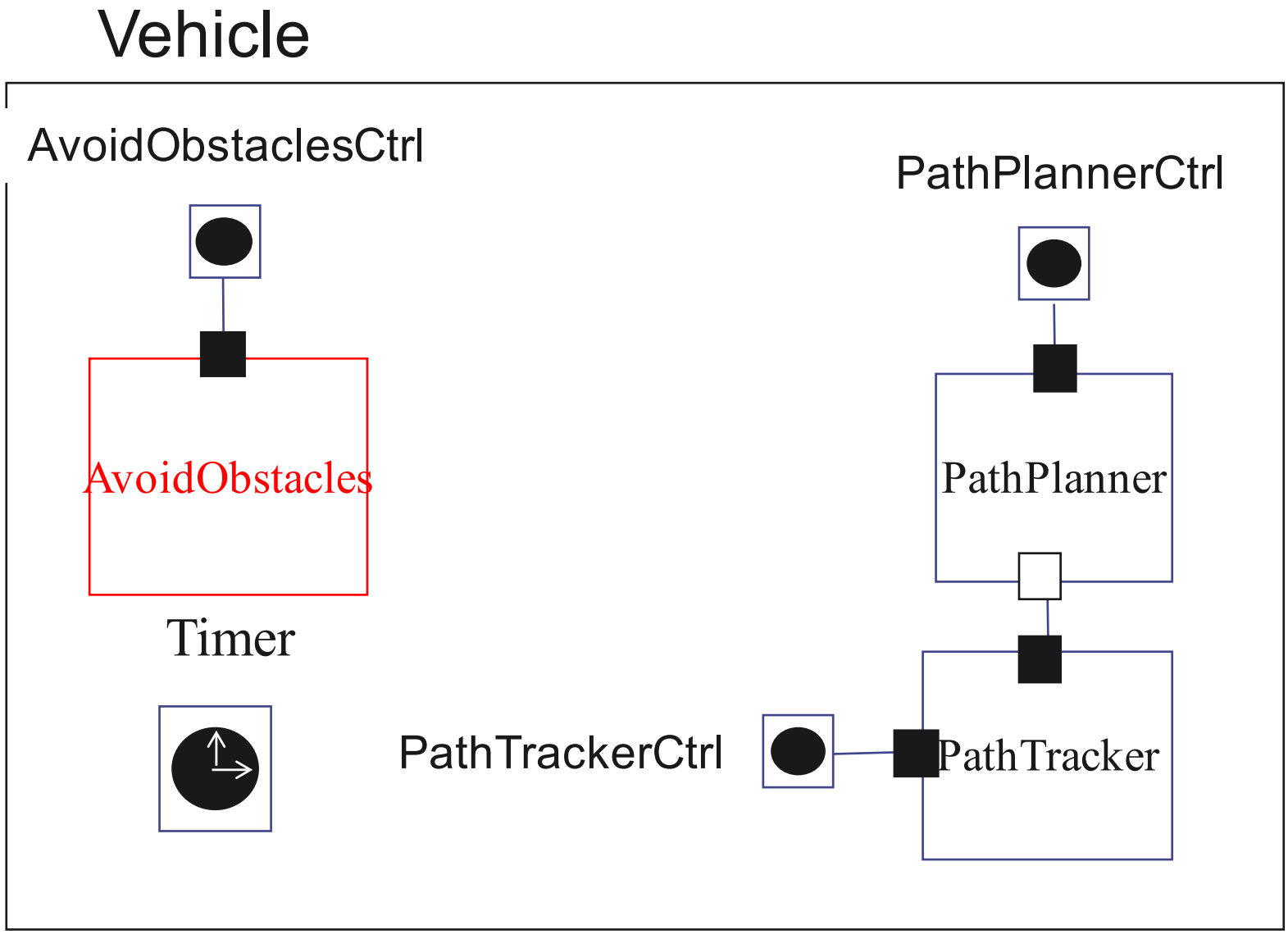
Trabajo a Realizar



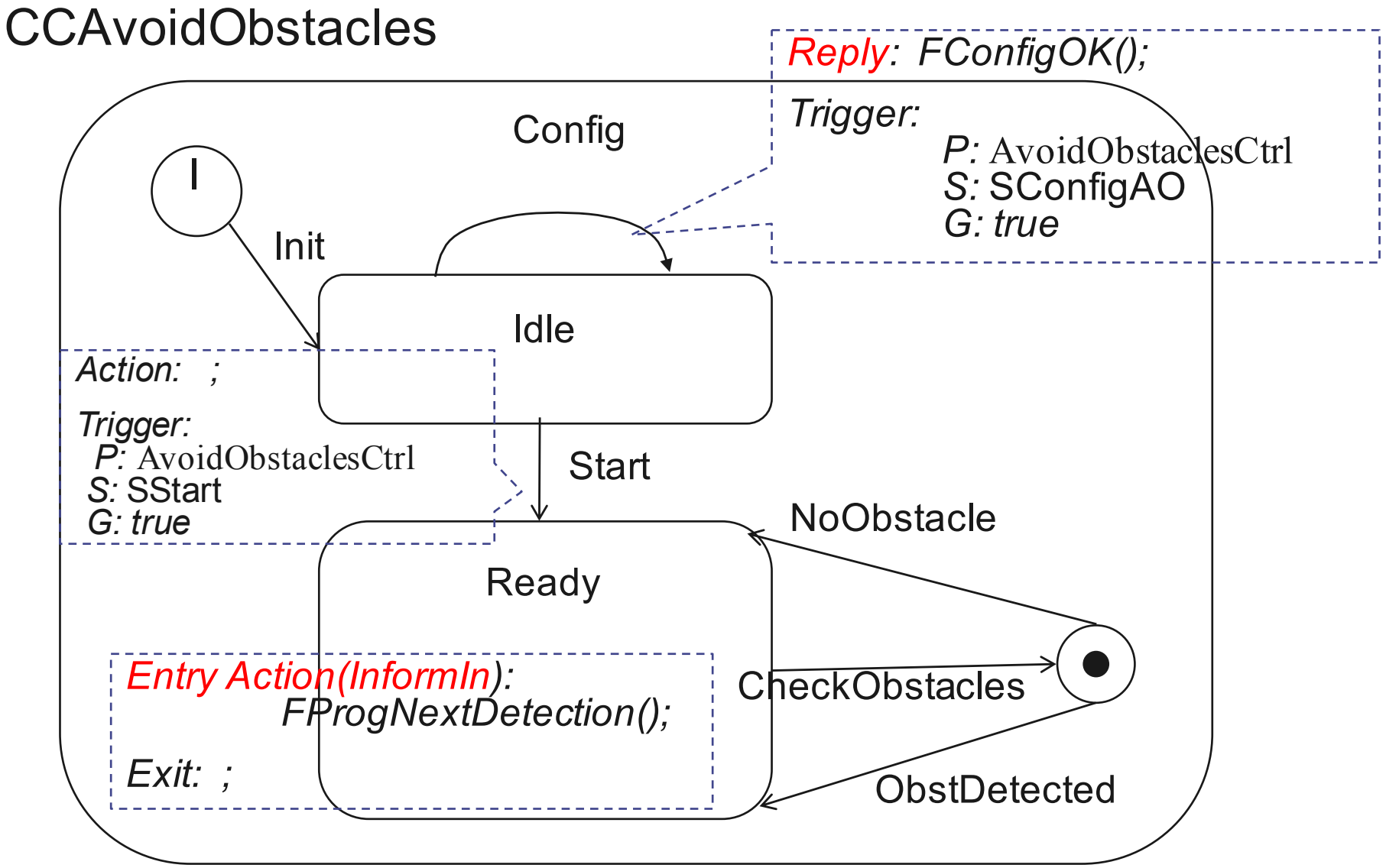
Trabajo a Realizar



Trabajo a Realizar



Trabajo a Realizar



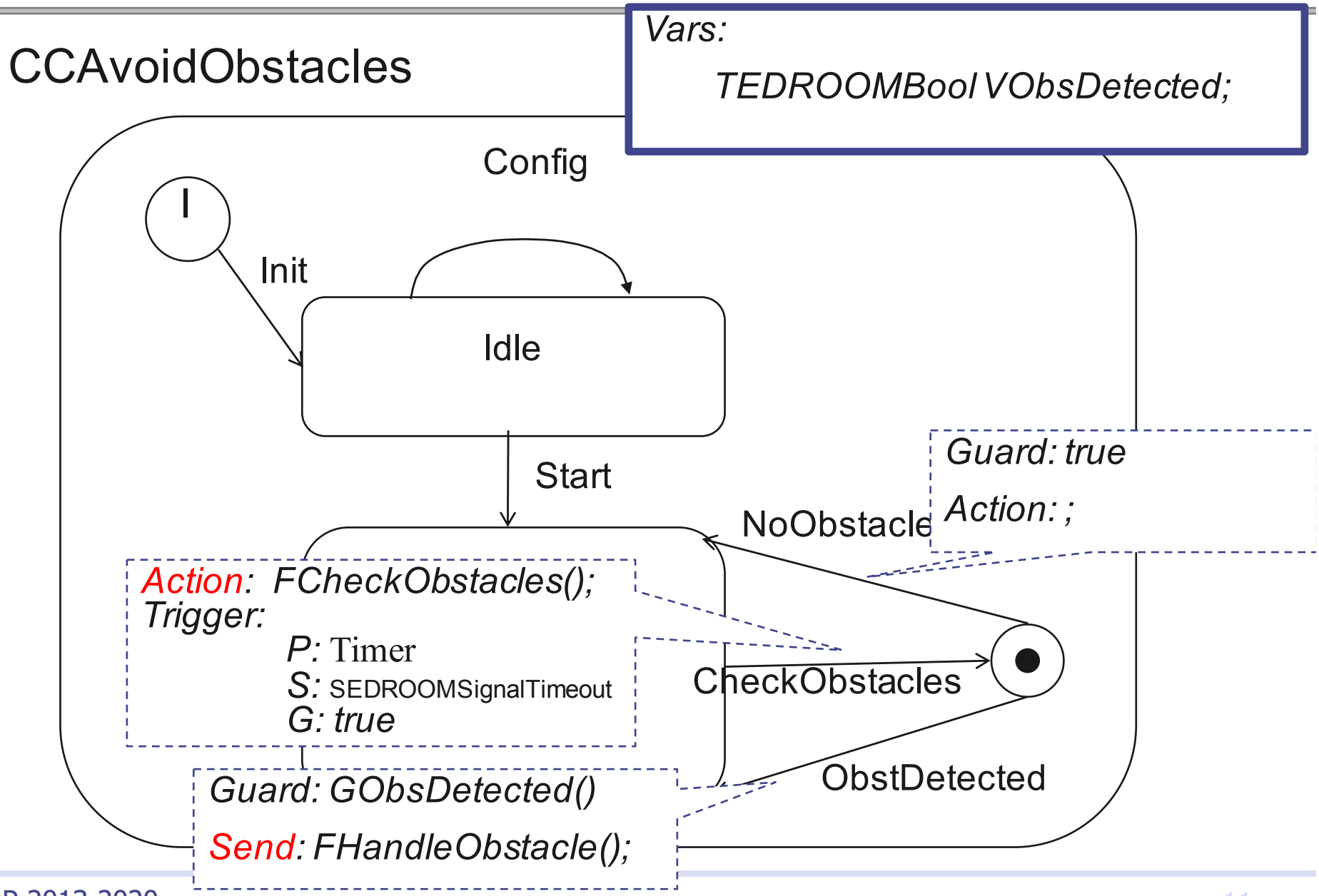
Trabajo a Realizar

CCAvoidObstacles

```
void FConfigOK (){
        Msg->reply(SConfigOK);
}
```

```
void FProgNextDetection (){
        Pr_Time  interval;
        interval=Pr_Time(0,50000);
        Timer.InformIn(interval);
}
```

Trabajo a Realizar



Trabajo a Realizar

CCAvoidObstacles

```
void FCheckObstacles (){
        io_ctrl_check_obstacles();
        VObsDetected=sensors_check_obstacles();
}

TEDROOMBool GObsDetected(){
        return (VObsDetected);
}

void FHandleObstacle(){
        io_ctrl_detect_obstacle();
        actuators_halt();
        AvoidObstaclesCtrl.send(SObstacleDetected);
}
```

Module MESP SWI: *io_ctrl_iface (v1)*

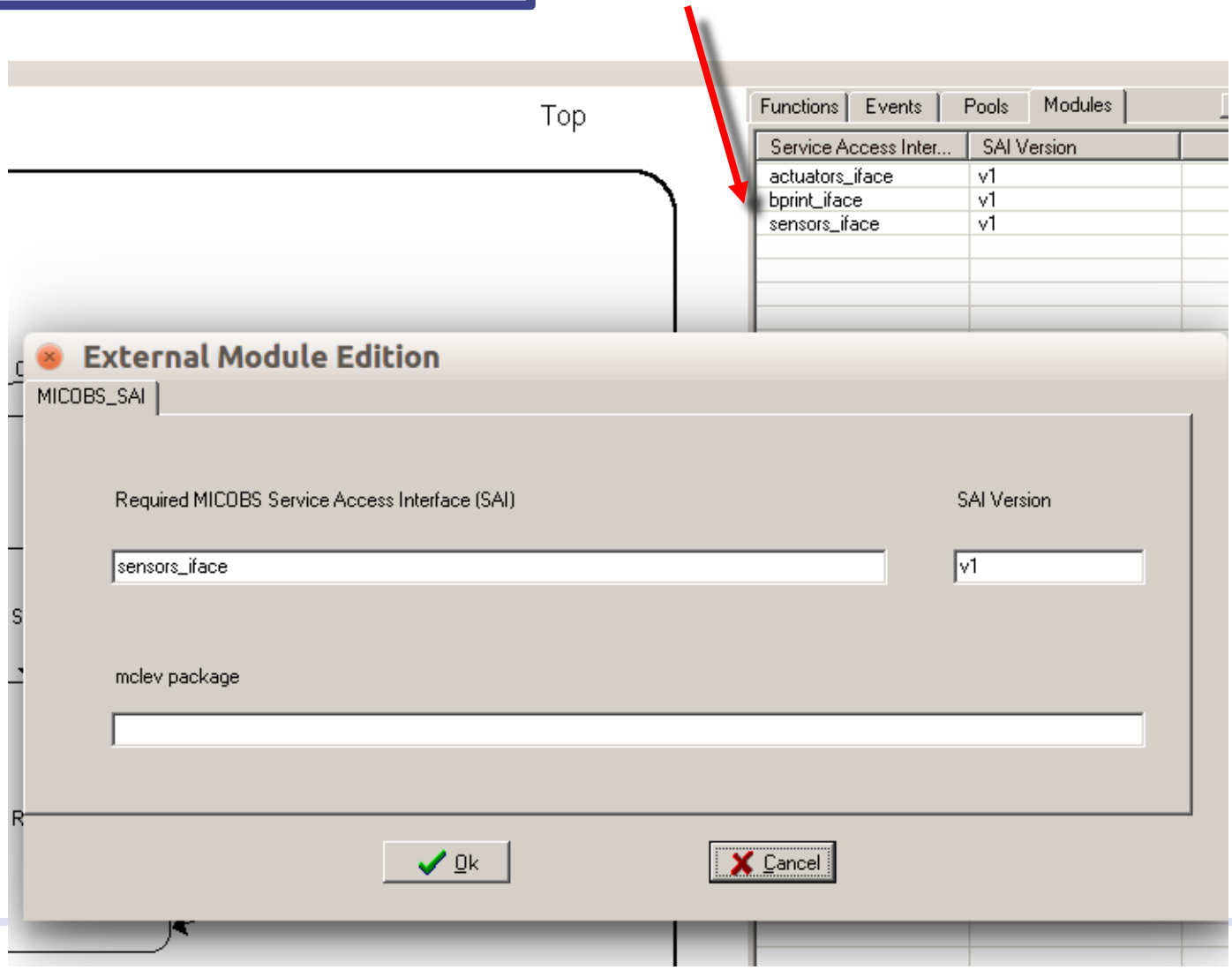
Module MESP SWI: *sensors_iface (v1)*

Module MESP SWI: *actuators_iface(v1)*

Añadir módulos externos

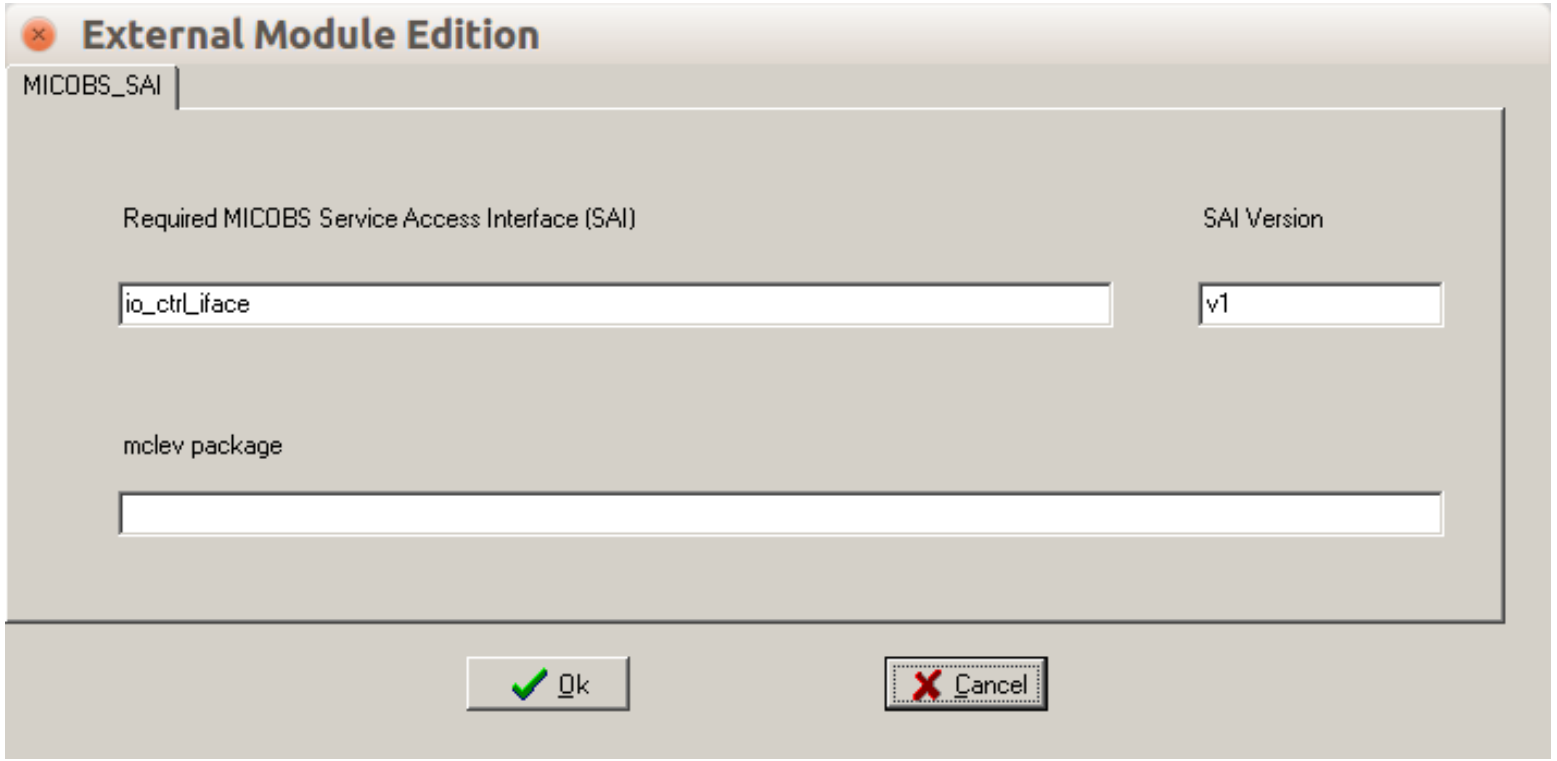
Module MESP SWI: *sensors_iface (v1)*

New MESP SWI



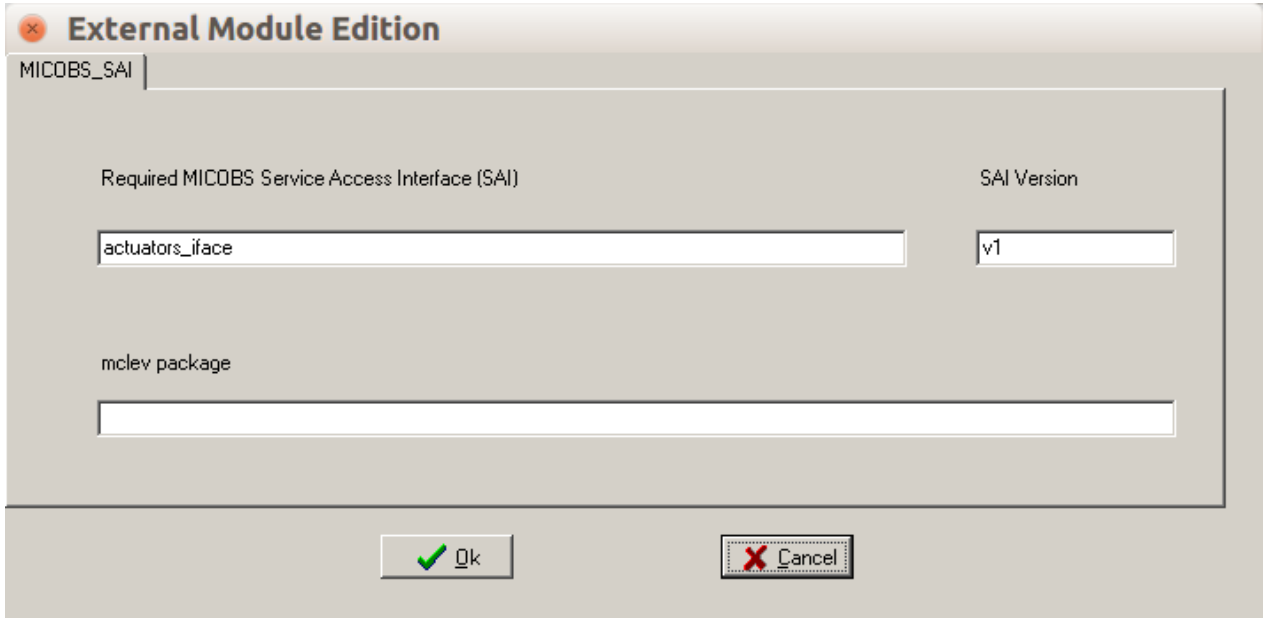
Añadir módulos externos

Module MESP SWI: *io_ctrl_iface (v1)*

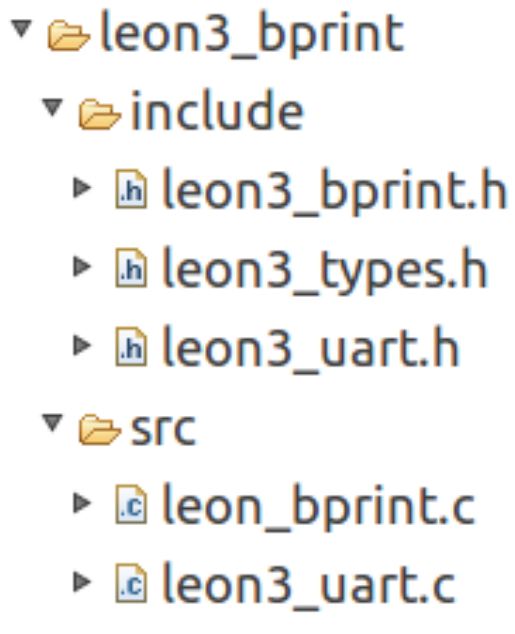


Añadir módulos externos

Module MESP SWI: *actuators_iface(v1)*



Añadir vuestros archivos al proyecto



No copies directorios!!!
Problemas con metadatos de SVN
Copiad archivo a archivo

Interpretación mensajes

- Mensajes

  sss (cada ‘s’ es un step calculado)

  . (. chequeo de obstáculos)

  MAX (se alcanza el máximo de steps)

  x (el tracker pide un path al planner)

  +n (step n aplicado del path recibido)

  OBST (obstáculo detectado)

Salida esperada

```
basic hw checking
power on sensors                                                    MAX
power on actuators
                                                                    +2
Power off all subsystems                                            x

Restart in 10 seconds---------------------------------
                                                                    +0..s..s..s..s
basic hw checking
power on sensors                                                    +1..s..s..s..
power on actuators
                                                                    OBST
Power off all subsystems
                                                                    s..s..s
Restart in 10 seconds---------------------------------              x

basic hw checking
power on sensors                                                    +0..s..s..
power on actuators
Error in Planner Config                                             OBST

Power off all subsystems                                            s..s..s
                                                                    x
Restart in 10 seconds---------------------------------

basic hw checking                                                   +0..s..s..s..s
power on sensors
power on actuators                                                  +1..s..s..s..s
..s..s..s
                                                                    MAX
+0..s..s..s..s
                                                                    +2
+1..s..s..s..s                                                      x

                                                                    +0..s..s..s..s
```