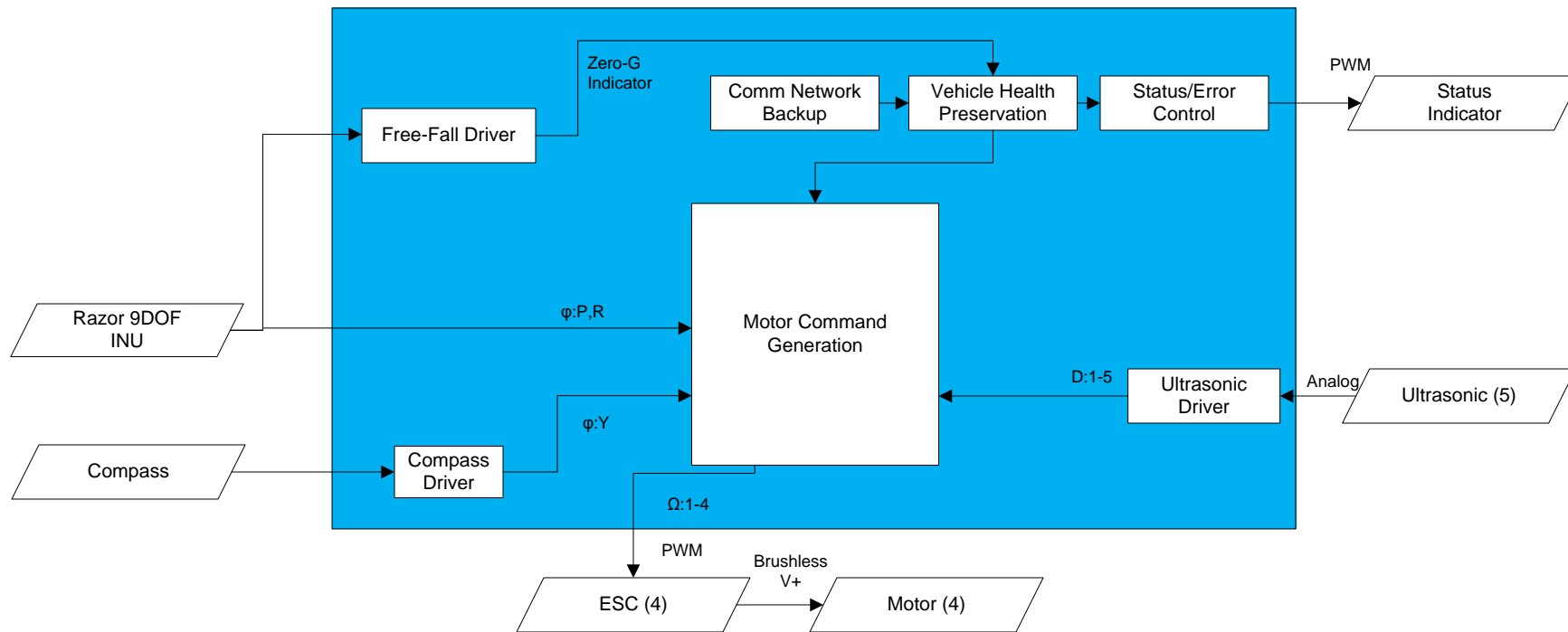
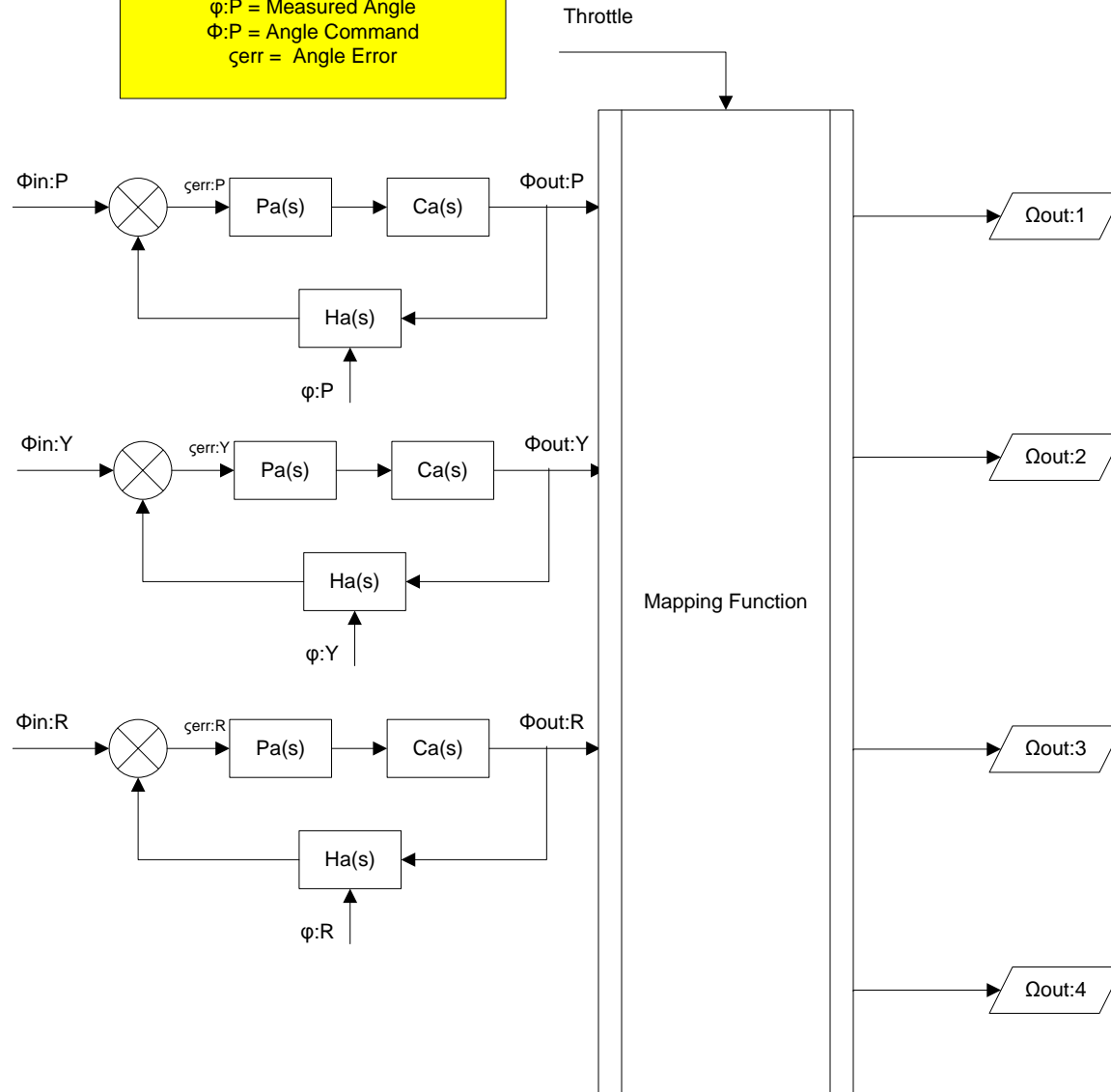


Secondary Controller



$Ca(s) = KPp + KPi*s + kPd/s$
 $Ha(s)$ = Sensor Gain
 $Pa(s)$ = Plant Transfer Function
 For j = Pitch,Yaw,Roll
 $\phi:P$ = Measured Angle
 $\Phi:P$ = Angle Command
 ζerr = Angle Error



Mapping Function:
 Constants: MID_RANGE
 $Q_{in}:1 = \Phi_{out}:P, \Phi_{out}:Y, \Phi_{out}:R, Throttle$