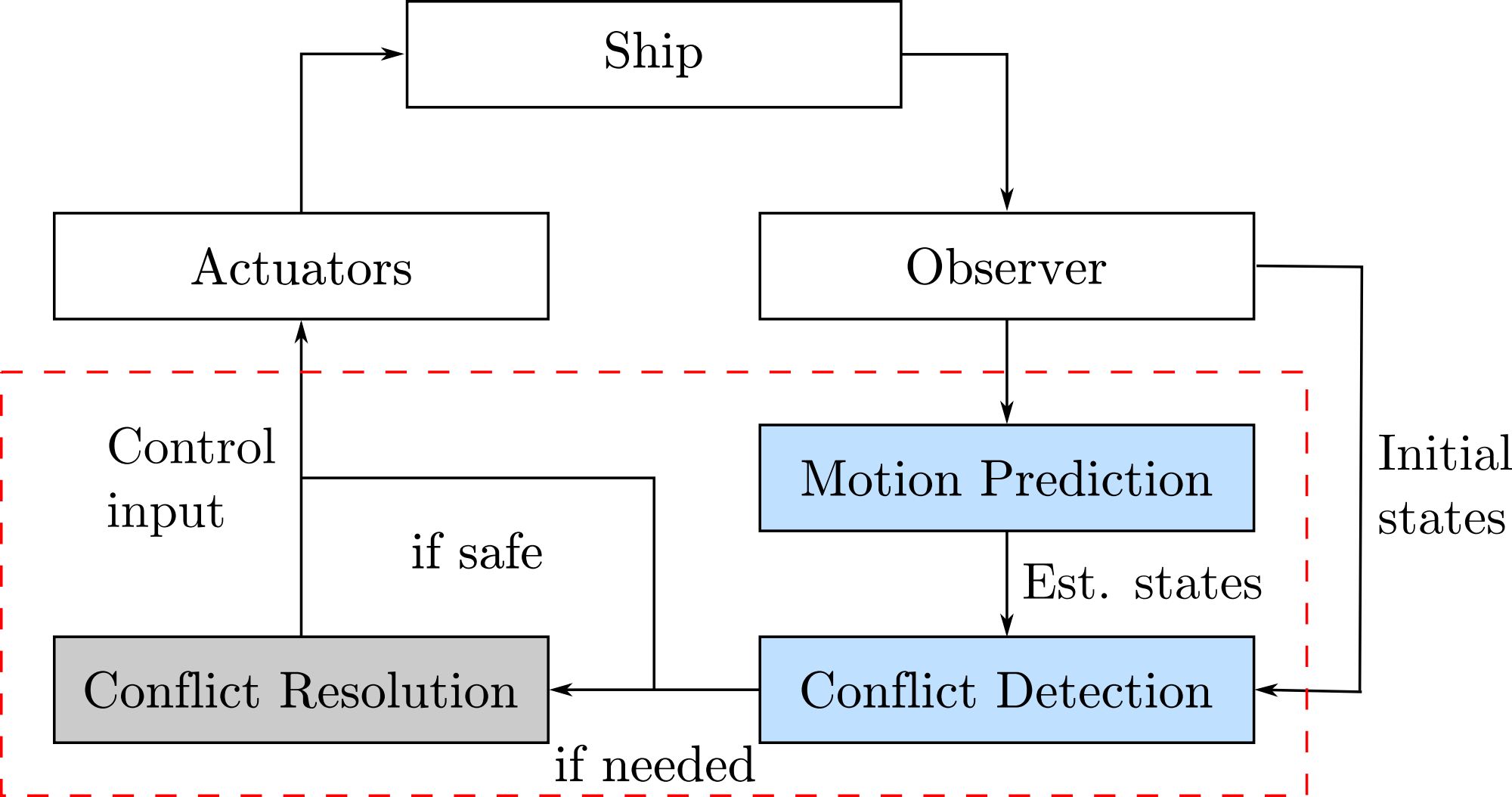
Ship
Actuators
Observer
Control input
Motion Prediction
Initial states
if safe
Est. states
Conflict Resolution
Conflict Detection
if needed