

User



Main

Scheduler

Drone

FireIncident

EventQueue

Scheduler
(Monitoring
Thread)

Initiates main() sequence

FireIncident.start()

Scheduler.start()

Drone.start()

start monitorDroneResponses() thread

Loop until bool
finished set to true

Read Event_File and send event as UDP to Scheduler

waits for empty drone

Sends UDP notifying an available drone

Append to freeDroneList

Receives NotifyAll()

Request for event

sendToDrone()acknowledgeing drone UDP message

Fire event received

sendToDrone() assigns fire

If fault occurs

currentState.handleFault(this)

Notify that drone has faulted

faultedDroneList.add(drone)

sendToDrone("OK")

this.assignedFire = null

Add faulted event to EventQueue again