**Driving**

**Charge Requested**

**Waiting for Rendezvous**

**Waiting for Drone**

**Charging**

**Flying to Rendezvous**

**Flying to EV**

**Charging EV**

**Flying to Park**

**Flying to Charge**

**Charging Drone**

**Left Simulation**

EV request handling

**Control Centre**

Drone Allocation

Drone Management

Charge Reporting

Drone Reporting

Statistics Reporting

**Parked**

**Null**

**Control Centre triggers**

**Drone triggers**

**EV Triggers**

**EV managing Drone**

**Control Centre managing Drone**

**Simulation**

EV depart/Arrive

EV, Control Centre “step” trigger

*Allocation*

*At Rendezvous*

*At EV*

*EV Charged*

*EV Left*

*Flying battery low*

*Charge battery low*

*At Hub*

*Viable*

*Flying battery low*

*Allocation*

*EV Departed*

*EV Arrived*

*EV Left*

*Charge request*

*Drone allocated*

*Update Step*

*Update Step*

*Drone Broken off*

*At Hub*

*Batteries  
Full*

**Null**

*EV at Rendevous*

*Drone Arrived*

*Battery at threshold*

*EV Charged*