**LCS SIMULATOR**

**RS 232/422**

**1553B**

**Discrete**

**or Analog/IO**

**Discrete**

**J**

**O**

**Y**

**S**

**T**

**I**

**C**

**K**

**PANEL SWITCHES**

**OBC**

**OPERATOR**

**CONSOLE**

**LCS**

**SIMULATOR**

**LCS SIMULATOR TASKS**

1. AIRCRAFT TRAJECTORY SIMULATION ( (INS SIMULATOR)
2. STANDARD GRAPHIC MAP WITH PROGRAMMABLE WAYPOINTS AND LAUNCH BASKET DISPLAY (SINGLE /TWO PAGE)
3. LAUNCH SEQUENCE INITIATE AND CONTROL

Given waypoints on a defined map and initial conditions the aircraft will perform the trajectory as per simulation and the trajectory will be displayed. This will be programmable as per operator’s selection using mouse or keypad. When aircraft reaches the launch zone, operator will command the LCS through joystick and required messages will be interacted to OBC by the simulator.