

Monitor Pre-launch

Main Success Scenario

1. The Flight Controller Starts the Pre-Launch Sequence
2. The System requests the Countdown Time *See Monitor Countdown Use Case*
3. System periodically monitors Pre-Launch Data
4. System returns Pre-Launch Data to the Flight Controller
5. System alerts the Flight Controller when the countdown reaches zero *See Monitor Countdown Use Case*
6. Flight Controller Initiates the Launch Sequence
7. System Initiates Launch and Transitions to Initiate Launch
8. System returns the Initiate Launch

Alternate Scenarios

- 3a. If the System detects an anomaly in the Pre-Launch Data, then the System alerts the Flight Controller of the anomaly
- 4a. If the System alerts the Flight Controller of a Pre-Launch anomaly (see *Alternative Scenario 3a.*) then the Flight Controller can choose to hold the Countdown
- 4b. If there is a hold in the Countdown and the anomaly is resolved, then the Flight Controller can choose to resume the Countdown, the Countdown continues at the time stopped *See Monitor Pre-Launch Use Case*
- 4c. If there is a hold in the Countdown, then the Flight Controller can choose to abort the launch the System indicates an aborted launch *See Monitor Pre-Launch Use Case*