

Monitor Launch Activities Goal Writeup

Actor: Flight Control Director

Starting with the Launch Countdown, and continuing through the final stage separation, the Flight Control Director (Flight Controller) monitors the Launch Activities.

1. Monitor Pre-Launch Activities
2. Initiate Launch (at least monitor Launch Initiation)
3. Monitor Launch Activities

What does it mean to “Monitor Pre-Launch Activities”?

Up, until the Launch Initialization (countdown reaches 0):

1. Monitor the Countdown
2. Monitor the Data Important to a launch
3. Communicate with flight engineers about launch data
4. Communicate with Astronauts about the launch data
5. Select which launch data is important enough to view for more scrutiny

What happens if the System Reports a problem (Capsule, Rocket, Fuel Delivery, etc.)?

The Flight Controller can choose to

1. Hold the Countdown—The Flight Controller can choose to resume the countdown. The Flight Controller can choose not to resume the countdown. If the Flight Controller chooses to resume the countdown, the countdown continues at the place it was stopped.
2. Scrub the Launch—The Pre-requisite of this is **Hold the Countdown**. Once the Flight Controller holds the Countdown, the Flight Controller can choose to Scrub the Launch: At which point the Countdown is eliminated.

What does it mean to “Initiate Launch” or “Monitor Launch Initiation”?