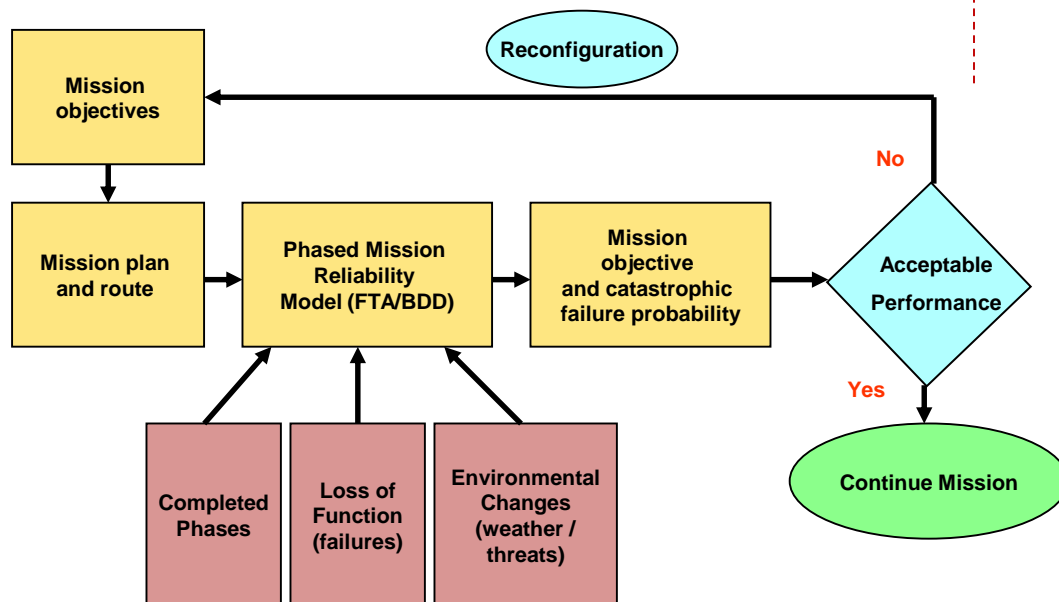
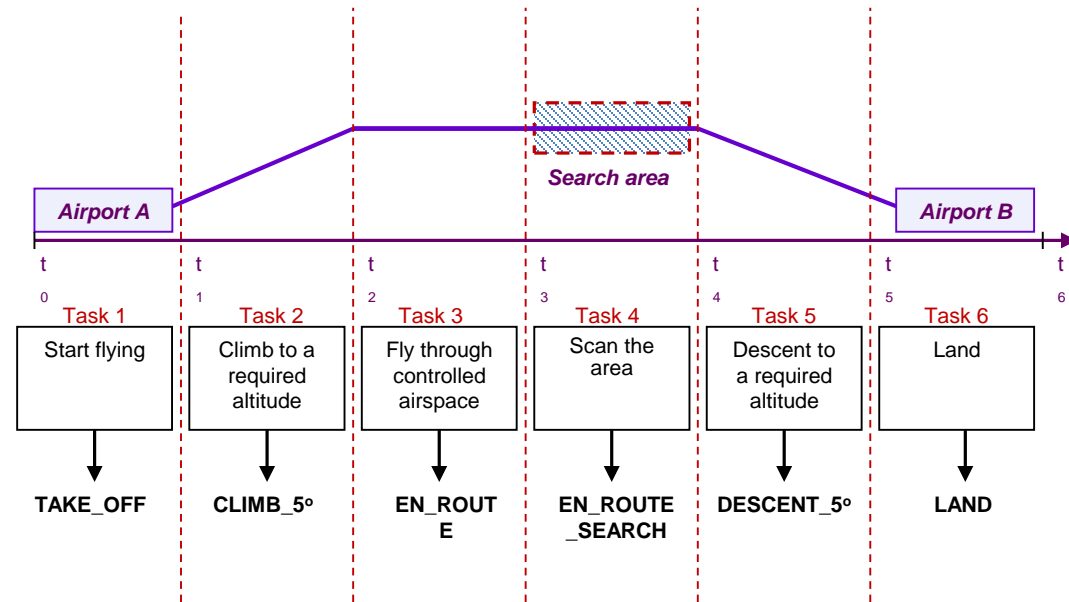


# Decision Making for Unmanned Aerial Vehicles



## Background

Unmanned Aerial Vehicles (UAVs) can carry out their missions, such as fire fighting, search and rescue, surveillance, autonomously. Their decisions during a mission need to respond to failures, threats, changing environment and mission objectives.



## Objective

- (i) Develop a reliability-based technique to quantify UAV mission failure probability.
- (ii) Take account of emerging changes throughout a mission.
- (iii) Separate offline and online processes for real-time applications.