

The SPAARO UAV will take off and land on a 70 foot wide, 300 foot long paved runway at the Kentland Farm. An image indicating the airstrip and the flying area at the Kentland Farm has been uploaded into the map section of this application.

Takeoff will either be performed manually by the primary pilot, using the Piccolo system's manual controller, or automatically using the autopilot's "auto-takeoff" feature. After takeoff via manual control or autopilot, the UAV climbs to a 300 foot radius "safety circle" centered 300 feet above the ground control system (GCS). During this phase of flight operations, the pilot and GCS operator verify that all communication links and other systems are operating normally. Once all systems are verified to be operating normally, the pilot or GCS operator commences planned flight operations.

In normal operations, landings will either be performed manually by the primary pilot, using the Piccolo system's manual controller, or automatically using the autopilot's "auto-land" feature. If the Piccolo system's 900 MHz link should fail, the landing will be performed manually by the backup pilot using the secondary 2.4 GHz radio controller.