

# ADEPT-FC Flight Plan for Flight 9

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Created: 11/10/2020 15:57 CST

Updated: 04/26/2020 10:29 CST

| Phase                       | Tasks   | Task Details  |
|-----------------------------|---|---|
| Preflight                   | <ul style="list-style-type: none"> <li>Transport to RC Park</li> <li>Assemble aircraft</li> <li>Conduct preflight checklist</li> </ul>  | All task details are included in AP validation procedure, Walkaround procedure, and ADEPT-FC checklist  |
| Test 1                      | <ul style="list-style-type: none"> <li>Taxi checklist, taxi to active</li> <li>Before T/O checklist, T/O</li> <li>Crosswind, downwind</li> <li>Cruise checklist</li> <li>Base, final, overfly, crosswind</li> </ul>             | Altitude: Pilot's discretion (pattern)<br>Flight velocity: ~ 30 m/s<br>Elevator, rudder, throttle to trim   |
| Test 2                      | <ul style="list-style-type: none"> <li>Downwind: steady level pass</li> <li>At threshold, engage AP</li> <li>At base turn, disengage AP</li> <li>Base, final, overfly, crosswind</li> </ul>                                     | Altitude: Pilot's discretion (pattern)<br>Flight velocity: ~ 30 m/s<br>Elevator, rudder, throttle to trim   |
| Test 3                      | <ul style="list-style-type: none"> <li>Downwind: steady banked pass</li> <li>At threshold, engage AP</li> <li>At base turn, disengage AP</li> <li>Base, final, overfly, crosswind</li> </ul>                                    | Altitude: Pilot's discretion (pattern)<br>Flight velocity: ~ 30 m/s<br>Banked at approximately 20 degrees<br>Elevator, rudder, throttle to trim   |
| Test 4                      | <ul style="list-style-type: none"> <li>Downwind: steady level pass</li> <li>At threshold, engage AP</li> <li>Pilot roll -&gt; AP settle</li> <li>At base turn, disengage AP</li> <li>Base, final, overfly, crosswind</li> </ul> | Altitude: Pilot's discretion (pattern)<br>Flight velocity: ~ 30 m/s<br>Banked to approximately 20 degrees<br>Elevator, rudder, throttle to trim<br><br><b>Expected a 3 second delay between roll settle and AP engage</b> |
| Approach, landing, shutdown | <ul style="list-style-type: none"> <li>Downwind</li> <li>Approach checklist</li> <li>Base, final, land</li> <li>Taxi to gate, shutdown, lockout checklist</li> </ul>  | All task details are included in ADEPT-FC checklist   |