

ADEPT-FC Flight Plan for Flight 10

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ESAero

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Phase	Tasks	Task Details
Preflight	<ul style="list-style-type: none">• Assembly• Preflight checklist• Load wingleveler gains	All task details are included in AP validation procedure, Walkaround procedure, and ADEPT-FC checklist
Overfly check 1	<ul style="list-style-type: none">• Taxi checklist, taxi to active• Before T/O checklist, T/O• Crosswind, downwind• Cruise checklist• Base, overfly, crosswind, downwind• Arm AP• Base	Altitude: Pilot's discretion Flight velocity: ~ 30 m/s Elevator, rudder, throttle to trim
Wing leveler steady test	<ul style="list-style-type: none">• Overfly: steady level pass• At threshold, engage AP• At crosswind turn, disengage AP• Downwind, base	Altitude: Pilot's discretion Flight velocity: ~ 30 m/s Elevator, rudder, throttle to trim AP on for ~10 seconds
Wing leveler right banked test	<ul style="list-style-type: none">• Overfly: steady banked pass• At threshold, engage AP• At crosswind turn, disengage AP• Downwind, base	Altitude: Pilot's discretion Flight velocity: ~ 30 m/s Banked at approximately 20 degrees Elevator, rudder, throttle to trim AP on for ~10 seconds
Wing leveler left banked test	<ul style="list-style-type: none">• Overfly: steady banked pass• At threshold, engage AP• At crosswind turn, disengage AP	Altitude: Pilot's discretion (pattern) Flight velocity: ~ 30 m/s Banked to approximately -20 degrees Elevator, rudder, throttle to trim AP on for ~10 seconds

Approach, landing, shutdown	<ul style="list-style-type: none"> • Downwind • AP disarm • Approach checklist • Base, final, land • Taxi, shutdown, lockout checklist 	All task details are included in ADEPT-FC checklist
Recharge and reset	<ul style="list-style-type: none"> • Recharge all batteries • Preflight checklist • Load uniform gains 	All task details are included in AP validation procedure, Walkaround procedure, and ADEPT-FC checklist
Overfly check 2	<ul style="list-style-type: none"> • Taxi checklist, taxi to active • Before T/O checklist, T/O • Crosswind, downwind • Cruise checklist • Base, overfly, crosswind, downwind • Arm AP • Base 	Altitude: Pilot's discretion Flight velocity: ~ 30 m/s Elevator, rudder, throttle to trim
Uniform throttle steady test	<ul style="list-style-type: none"> • Overfly: steady level pass • At threshold, engage AP • At crosswind turn, disengage AP • Downwind, base 	Altitude: Pilot's discretion Flight velocity: ~ 30 m/s Elevator, rudder, throttle to trim AP on for ~10 seconds
Uniform throttle roll test	<ul style="list-style-type: none"> • Overfly: steady banked pass • At threshold, engage AP • At crosswind turn, disengage AP • Downwind, base 	Altitude: Pilot's discretion Flight velocity: ~ 30 m/s Banked at approximately 20 degrees Elevator, rudder, throttle to trim AP on for ~10 seconds
Uniform throttle pitch test	<ul style="list-style-type: none"> • Overfly: steady pitched pass • At threshold, engage AP • At crosswind turn, disengage AP • Downwind, base 	Altitude: Pilot's discretion (pattern) Flight velocity: ~ 30 m/s pitched to approximately 10 degrees Elevator, rudder, throttle to trim AP on for ~10 seconds

Approach, landing, shutdown	<ul style="list-style-type: none">• Downwind• AP disarm• Approach checklist• Base, final, land• Taxi, shutdown, lockout checklist	All task details are included in ADEPT-FC checklist
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