

ADEPT-FC Flight Plan for Flight 10

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Created: 05/18/2021 22:42 CST

Updated: 07/25/2021 12:44 CST

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• On downwind, cruise checklist• 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• AP disarm	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• 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 • On downwind, cruise checklist • 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
Uniform throttle yaw test	<ul style="list-style-type: none"> • Overfly: steady level pass • At crosswind turn, engage AP • Yaw for approximately 180 degrees • At end of turn, disengage AP • AP disarm 	Altitude: Pilot's discretion (pattern) Flight velocity: ~ 30 m/s Elevator, rudder, throttle to trim AP on for ~30 seconds
Approach, landing, shutdown	<ul style="list-style-type: none"> • Downwind • Approach checklist • Base, final, land • Taxi, shutdown, lockout checklist 	All task details are included in ADEPT-FC checklist