

★ CLEARING TURNS ★

SLOW FLIGHT		ALT: <input style="width: 50px;" type="text" value="1500"/>
SETUP	<input style="width: 40px;" type="text" value="64+5"/> KIAS <input style="width: 40px;" type="text" value="AS Req'd"/> % PWR	
MANEUVER	Setup: Flaps 100% Maintain Alt, Pull power, Pitch & Pwr to Stall Horn at 64 Fly maneuver at 70kts +5/-0 ALT +/- 50', Heading +/- 10°, Bank +/- 5°	

POWER-OFF STALLS		ALT: <input style="width: 50px;" type="text"/>
SETUP	<input style="width: 40px;" type="text" value="80"/> KIAS <input style="width: 40px;" type="text" value="IDLE"/> % PWR	
MANEUVER	Setup: Slow to 80kts & 100% Flaps by pulling power and descend and pitch up to stall. Recovery: Per DPE then 85kts to obstacles, then 90 kts flaps up, then 100	

POWER-ON STALLS		ALT: <input style="width: 50px;" type="text" value="1500"/>
SETUP	<input style="width: 40px;" type="text" value="80"/> KIAS <input style="width: 40px;" type="text" value="65"/> % PWR	
MANEUVER	Setup: Slow to VR by pulling power and maintain altitude. At 80 kts, 65% power and pitch up to stall. Recovery: Per DPE then 88kts obstacles and 100 kts	

ACCELERATED STALLS		ALT: <input style="width: 50px;" type="text" value="3000"/>
SETUP	<input style="width: 40px;" type="text" value="100"/> KIAS <input style="width: 40px;" type="text" value="40"/> % PWR	
MANEUVER	Roll into 45° Bank and Pull Back Recover at First Sign of Stall Unload (Push Down) and Wings Level, 88till Clear and then Climb at 100	

STEEP TURNS		ALT: <input style="width: 50px;" type="text" value="1500"/>
SETUP	<input style="width: 40px;" type="text" value="120"/> KIAS <input style="width: 40px;" type="text" value="50"/> % PWR	
MANEUVER	Setup: Roll into 50° Bank, Roll in with 3 seconds up trim, @ 30° +5% pwr. Turn 360°, then opposite. +/-100' +/-10kts +/-5° and roll out +/-10° HDG	

STEEP SPIRALS		ALT: <input style="width: 50px;" type="text" value="5k/2k"/>
SETUP	<input style="width: 40px;" type="text" value="100"/> KIAS <input style="width: 40px;" type="text" value="0"/> % PWR	
MANEUVER	Pick reference, bank angle less than 60°, clear engine every 1k' Trim for 100kts, roll in based on wind, complete at least 3 turns Recovery: roll out in 100 glide toward object or +/-10° of heading	

SHORT FIELD TAKEOFF	
Apply brakes, 100% power, release brakes, rotate 77kts climb at 85 until clear, then 90 flaps up, climb at 100	

SHORT FIELD LANDING	
Precision, land on spot, and then full aerodynamic braking plus heavy braking.	

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CHANDELLES		ALT: <input style="width: 50px;" type="text" value="2000"/>
SETUP	<input style="width: 40px;" type="text" value="120"/> KIAS <input style="width: 40px;" type="text" value="50"/> % PWR	
MANEUVER	30° Bank, Full Power, gradually increase pitch, 90kts at 90° Point, Establish Max Pitch, Start Roll Out to wings level @ 180°	

LAZY 8'S		ALT: <input style="width: 50px;" type="text" value="2000"/>
SETUP	<input style="width: 40px;" type="text" value="120"/> KIAS <input style="width: 40px;" type="text" value="50"/> % PWR	
MANEUVER	Pitch up and Roll into bank. 45° Max Pitch & 15° Bank, 30° Bank at 90° speed at 79-84kts, Reduce Pitch to 135° Max Pitch Down & 15° Bank then reduce to wings level and 120kts and 180°, then to the left	

TURNS AROUND A POINT		<input style="width: 50px;" type="text"/>
SETUP	<input style="width: 40px;" type="text"/> KIAS <input style="width: 40px;" type="text"/> % PWR	
MANEUVER		

S-TURNS		ALT: <input style="width: 50px;" type="text"/>
SETUP	<input style="width: 40px;" type="text"/> KIAS <input style="width: 40px;" type="text"/> % PWR	
MANEUVER		

EIGHT'S ON PYLONS		ALT: <input style="width: 50px;" type="text" value="1300"/>
SETUP	<input style="width: 40px;" type="text" value="120"/> KIAS <input style="width: 40px;" type="text" value="50"/> % PWR	
MANEUVER	PA = GS ² /11.3 110 = 1070' 130 = 1500' Lower=Slower Fly over 1st Pylon into wind, then 45° Entry. Moving Back, Pitch Up, Moving Forward Pitch Down	

POWER OFF 180		ALT: <input style="width: 50px;" type="text" value="TPA"/>
SETUP	<input style="width: 40px;" type="text" value="100"/> KIAS <input style="width: 40px;" type="text" value="0"/> % PWR	
MANEUVER	Abeam TDP: Power Idle, pitch and trim for 92kts at 3 seconds start turn and LOTS of rudder. If High add flaps, if still high, slip on final	

SOFT FIELD TAKEOFF	
Keep Full Back Pressure until off the ground, then fly in ground effect, then 85 kts until clear of obstacles	

SOFT FIELD LANDING	
Land Gently and keep back pressure to keep nose wheel off as long as possible	

SOFT FIELD LANDING

MANEUVER
 Abeam TDP: Power Idle, pitch and trim for 92kts at 3 seconds start turn and LOTS of rudder. If High add flaps, if still high, slip on final

SETUP
 100 KIAS
 0 % PWR
 ALT: TPA

POWER OFF 180

Land Gently and keep back pressure to keep nose wheel off as long as possible

MANEUVER

SETUP
 KIAS
 % PWR
 ALT:

S-TURNS

MANEUVER
 Pitch up and Roll into bank. 45° Max Pitch & 15° Bank. 30° Bank at 90° speed at 79-84kts. Reduce Pitch to 135° Max Pitch Down & 15° Bank then reduce to wings level and 120kts and 180°, then to the left

SETUP
 120 KIAS
 50 % PWR
 ALT: 2000

LAZY 8'S

SOFT FIELD TAKEOFF

MANEUVER
 Fly over 1st Pylon into wind, then 45° Entry. Moving Back, Pitch Up, Moving Forward Pitch Down

SETUP
 120 KIAS
 50 % PWR
 ALT: 1300

EIGHT'S ON PYLONS

Keep Full Back Pressure until off the ground, then fly in ground effect, then 85 kts until clear of obstacles

MANEUVER

SETUP
 KIAS
 % PWR
 ALT:

URNS AROUND A POINT

MANEUVER
 30° Bank, Full Power, gradually increase pitch, 90kts at 90° Point, Establish Max Pitch, Start Roll Out to wings level @ 180°

SETUP
 120 KIAS
 50 % PWR
 ALT: 2000

CHANDELLES

CLEARING TURNS

SHORT FIELD LANDING

MANEUVER
 Pick reference, bank angle less than 60°, clear engine every 1k Turns Recovery: roll out in 100 glide toward object or +/-10° of heading

SETUP
 100 KIAS
 0 % PWR
 ALT: 5K/2k

STEEP SPIRALS

Precision, land on spot, and then full aerodynamic braking plus heavy braking.

MANEUVER
 Roll into 45° Bank and Pull Back Recover at First Sign of Stall Unload (Push Down) and Wings Level, 88kts Clear and then Climb at 100

SETUP
 100 KIAS
 40 % PWR
 ALT: 3000

ACCELERATED STALLS

MANEUVER
 Setup: Slow to 80kts & 100% Flaps by pulling power and descend and pitch up to stall. Recovery: Per DPE then 85kts to obstacles, then 90 kts flaps up, then 100

SETUP
 80 KIAS
 IDLE % PWR
 ALT:

POWER-OFF STALLS

SHORT FIELD TAKEOFF

MANEUVER
 Setup: Roll into 50° Bank, Roll in with 3 seconds up trim, @ 30° +5% pwr. Turn 360°, then opposite. +/-100° +/-10kts +/-5° and roll out +/-10° HDG

SETUP
 120 KIAS
 50 % PWR
 ALT: 1500

STEEP TURNS

Apply brakes, 100% power, release brakes, rotate 77kts climb at 85 until clear, then 90 flaps up, climb at 100

MANEUVER
 Setup: Slow to VR by pulling power and maintain altitude. At 80 kts, 65% power and pitch up to stall. Recovery: Per DPE then 88kts obstacles and 100 kts

SETUP
 80 KIAS
 65 % PWR
 ALT: 1500

POWER-ON STALLS

MANEUVER
 Setup: Flaps 100% Maintain Alt, Pull power, Pitch & Pwr to Stall Horn at 64 Fly maneuver at 70kts +/-5° ALT +/-50', Heading +/-10°, Bank +/-5°

SETUP
 64+5 KIAS
 AS Req'd % PWR
 ALT: 1500

SLOW FLIGHT

CLEARING TURNS