***Clearing Turns - Clearing Turns - Clearing***

Taxi Diagram, Cruise Checklist - GUMPS - After Landing Checklist - Shut Down Checklist

VA = at Checkride Weight

VR =

Normal TO Distance:

Normal LAND Distance:

Short Field TO Distance over 50’ Obstacle:

Short Field LAND DIstance:

**STEEP TURNS / 45\* Bank / Start & Roll out Cardinal Heading**

Altitude +/- 100 ft, airspeed +/- 10 K, bank 5\*, roll out on heading within 10\*

RPM:

SET Heading Indicator

Entry at MPH/KNOTS + Power as Needed

KEEP BANK IN

ROLL OUT 15\* BEFORE HEADING

**SLOW FLIGHT / MPH/KN: / Cardinal Heading**

> 1500’ AGL - KEEP ALTITUDE

Pitch = Airspeed Power = Altitude

Maintain Altitude +/-100 ft, airspeed +10/0 kn, Heading +/- 10\*, bank angle w/in 10\*

S&L, Turns, climbs, descents w/o stall warning

**POWER OFF STALL / RPM/KN: / Establish Descent**

**SAY: FIRST INDICATION / STALL- RECOVERING**

Maintain Cardinal Heading

Power Idle

Level Off and bleed off to stall

Maintain Heading +/- 10\* if level stall, bank +/- 10\* not exceeding 20\* turning

**POWER ON STALL / RPM/KN: / SLOW TO VR**

**Maintain Cardinal Heading**

**SAY: FIRST INDICATION / STALL - RECOVERING**

RPM: MPH/KN:

Add full power and pitch to 20\*

Maintain heading +- 10 if level stall, +/- 10\* not exceeding 20\* turning

**RECTANGLE / S TURNS / TURNS AROUND A POINT**

**DOWNWIND**

Must be 600-1000 ft agl 800 AGL

Maintain altitude +/- 100 ft, airspeed +/- 10 kn

Use X References!

**NORMAL LANDING GROUND ROLL**

**CALL TOUHDOWN POINT w/400 FT 2 Stripes**

Normal Braking

***Turns - Clearing Turns - Clearing Turns***

**EMERGENCY DESCENT**

Establish emergency descent speed: MPH/KT

Maintain airspeed +0/-10 kt, level off at specified altitude +/- 100 ft

Use memory items and backup with checklist

**EMERGENCY APPROACH AND LANDING:**

Establish best glide +/- 10 kn

Select suitable landing (consider wind and terrain)

Use memory items and backup with checklist

**SHORT FIELD TO / Ground Roll: Over 50’ Obs:**

Flaps: 25\*

USE Available Runway - FULL BRAKES / POWER - Release

VX: not too early

Pitch to Maintain VX

Clear of Obstacle - POSITIVE RATE OF CLIMB - Flaps up

Pitch to VY:

**SHORT FIELD LANDING - W/in 200 Ft - 1 STRIPE**

**CALL TOUCH DOWN POINT IMMEDIATELY ON DOWNWIND**

**GO AROUND IF NEEDED!**

Full Flaps

Center Line - Longitudinal Axis parallel

**SAY: Simulated Full Braking**

Brake a little more than normal

**SOFT FIELD TO / GROUND ROLL / OVER 50’ Obs:**

**YOKE BACK DURING WHOLE TAXI - DON’T STOP**

25\* FLAPS

VR KEEP IN GROUND EFFECT UNTIL

Climb - Positive Rate of Climb - Flaps Out

Establish pitch to maintain Vy +10/-5 kt

**SOFT FIELD LANDING - LAND WITH A LIGHT!**

**Keep in a little power - DO NOT BRAKE - YOKE BACK!**

Maintain stabilized approach for soft landing (full flaps)

Airspeed +10/-5 KIAS

Keep nose wheel off surface until loss of elevator effectiveness

Longitudinal axis parallel

Exit ‘soft’ are at a speed precluding sinking into surface w/minimum braking