Kilkenny Flying Club
CONDITIONS OF FLIGHT (JAA)
Rally 100 EI AUE

Normal Take-off

1. Flaps 0°
2. Align with runway
3. Full power
4. Check oil pressure airspeed alive, rpm 2500+
5. Rotate at 50 KIAS
6. Climb 65 KIAS or Vy

Normal Traffic Circuit

1. Altitude 800 QFE, Cruise Power 2500 rpm
2. Pre –landing checks
3. After base turn, reduce speed, full flaps on white arc
4. Maintain 60 KIAS
5. Runway made, reduce power smoothly, round out
6. Hold stick back, two wheels and hold front wheel off

Rejected Landing/go-around

1. Full power, carb heat cold
2. Start gentle climb, maintain 60 KIAS or greater
3. Wipe of second stage flaps
4. Wipe of first stage at 67 KIAS
5. Communicate intentions

Emergency Landing

1. Best glide 60 KIAS and trim
2. Look for landing are and turn towards it.
3. Restart procedures. Fuel on, mixture rich, carb heat on, mags both
4. checklist complete
5. If time radio call on 121.5 squawk 7700
6. When field is made, full flaps 60 KIAS

Minimum controllable airspeed (slow flight)

1. Minimum 3000 agl
2. Select reference point
3. HASELL Checks
4. 1500 rpm
5. White arc, full flaps
6. 50 KIAS, power for altitude, pitch for airspeed
7. Recover: Lower nose slowly to maintain altitude, full power, carb heat cold, retract to 1st stage slowly, recover to straight and level

Full Stall…..Recover on command

1. Minimum altitude 3000 agl
2. Select reference point
3. HASELL check
4. 1500 rpm
5. Complete 2 two 90° clearing turns in slow flight at 60 KIAS
6. Power to idle, attempt to maintain altitude with pitch
7. Call imminent stall
8. Call full stall, hold back pressure to maintain stalled condition
9. **When told to recover** release back pressure, full power carb heat cold
10. Flaps up in stages, recover to Vy 67 KIAS

Imminent recover <u>approach to land</u> stall

1. Minimum altitude 3000 agl
2. Select reference point
3. HASELL check
4. 1500 rpm
5. Full flaps as in base turn
6. Maintain level, allow speed to reduce to 60 KIAS
7. Complete 2 two 90° clearing turns in slow flight at 60 KIAS
8. Power to idle, maintain altitude
9. At the first sign of stall (buffet) **recover immediately, minimum loss of altitude**
10. Flaps up in stages, recover to Vy 67 KIAS

Imminent recover <u>base to final</u> stall

1. Minimum altitude 3000 agl
2. Select reference point
3. HASELL check
4. 1500 rpm
5. Full flaps as in base turn
6. Maintain level, allow speed to reduce to 60 KIAS
7. Complete 2 two 90° clearing turns in slow flight at 60 KIAS
8. Power to idle **before completing last turn** maintain approx 20° of bank angle
9. At the first sign of stall (buffet) **recover immediately, minimum loss of altitude**
10. Flaps up in stages, recover to Vy 67 KIAS

Steep Turns

1. Minimum 2000 ago
2. Select reference point
3. HASELL check
4. Trim level at 2500 rpm
5. Roll to 30° increase to full power, increase back pressure, roll to 45°
6. Roll out positively 20° prior to reference point
7. Reduce to cruise power 2500 rpm

Steep Gliding Turn

1. Set to glide speed with power idle
2. Smoothly roll to 45° bank
3. For additional 10° add 5 KTS to glide speed

Short Field Landing

1. Traffic pattern altitude (TPA)
2. Pre-landing checks
3. On base turn, full flaps 60KIAS
4. After clearing obstacle, power idle
5. Touchdown firm, brake firmly

Vne Dive Recovery

1. Power to idle
2. Level wings (*Don't pull into the dive*)
3. Pitch up smoothly
4. Airpseed at 80 KIAS, apply cruise power

Overclimb Recovery

1. Full power
2. Pitch forward
3. When Vmc, level wings – (*remember Ailerons ineffective at low speeds*)