

# Drill

## Circuits

### Right circuits in VH-AFR, runway 28R

- take-off
- **set full power**
- **55KIAS rotate**
  - apply right rudder to keep balance
- **300ft** after take-off check
  - **flaps up**
  - **power is full**
  - **> 2300rpm**
  - **landing light** [can leave on for circuits]
  - achieve **74KIAS** (Vy)
- at **500ft** turn onto crosswind
  - **lookout** [for right turn]: clear left, clear centre, clear above, clear right
  - roll out when heading bug at 90 degrees
  - maximum **AoB 15 degrees** [in climb]
  - adjust **attitude for 74KIAS** (Vy)
  - **level off at 1000ft**
- at **1nm from runway** turn onto downwind
  - **lookout** [for right turn]: clear left, clear centre, clear above, clear right
  - AoB 30 degrees
  - rollout to straight & level when heading bug at 180 degrees
  - radio ALPHA FOXTROT ROMEO DOWNWIND FOR TOUCH AND GO
  - **BUMFISH check**
    - \* **Brakes**
    - \* **Under-carriage**
    - \* **Mixture full rich**
    - \* **Fuel on both and sufficient to go-around**
    - \* **Instruments in green**
    - \* **Switches, landing light ON**
    - \* **Hatches and Harnesses secure**
  - hold the heading with visual reference point
  - workflow: Height, Speed, Heading, Spacing
  - **abeam runway threshold reduce power to 2000rpm**
  - maintain 1000ft
  - **at below 110KIAS take [first stage] 10 flap**
  - trim for flap
- at **45 degrees from runway threshold** turn onto base

- lookout [for right turn]: clear left, clear centre, clear above, clear right
- roll out when heading bug at 270 degrees
- **power back** to 1500rpm
- maximum **AoB 30 degrees** [descent]
- **at below 85KIAS take [second stage] 20 flap**
- trim for flap
- half-sky/half-ground attitude
- aim for **75KIAS in approach descent**
- **turn onto final**
  - aim for **75KIAS in approach**
  - tower ALPHA FOXTROT ROMEO RUNWAY TWO EIGHT RIGHT CLEAR TOUCH AND GO
  - radio TWO EIGHT RIGHT CLEAR TOUCH AND GO ALPHA FOXTROT ROMEO
  - aimpoint (runway numbers), aspect, airspeed (65)
  - **take [full] 30 flap**
  - trim for flap
  - **aim for 65KIAS**
- land
  - **at just before threshold markers, power to idle**
  - **flare:** straight and level attitude, look to the distant runway
  - **hold off** with nose up, horizon at dash cowling
- after landing
  - **flaps up**