

# **BGA AEROBATIC TRAINING SYLLABUS**

## **THEORETICAL KNOWLEDGE**

- Legislation pertinent to aerobatic flights
  - Aircraft certification
  - Low flying rules
  - Built up areas
  - Noise & environmental considerations
  
- Physical limitations
  - Body stresses
  - Spatial disorientation
  - Effects of positive & negative 'g'
  - Airsickness
  - Grey-out & black-out
  
- Airframe limitations specific to glider being flown
  - Vne, Va, Vra, Max airbrake speed
  - Flight envelope
  - 'g' limitations
  - ASI colour coding
  - Weight & balance considerations
  
- Glider type briefing
  - Daily inspection & pre-flight procedures
  - General handling characteristics
  - Flaps / gear (if applicable)
  - Emergency bail out procedures & use of parachute
  - Unusual attitude recovery (emphasis on inadvertent tailslide)
  - Spin characteristics and spin recovery
  
- Aerobatic figures & Aresti notation
  - Target entry speeds
  - Reference points
  - Minimum / cut-off heights
  - Airmanship & lookout
  - Sequence planning
  
- Glider Vs powered aircraft – differences
  - Hi speed stall
  - Slipstream effect
  - Engine torque
  - Gyroscopic effects
  - Audible cues re: airspeed