



## **Aerobatic Rating (Part FCL.800)**

The Aerobatic Rating is a lifetime rating on your licence. It may be undertaken by any pilot with a UK CAA issued Licence who has completed at least 30 hours of flight time as PIC in the appropriate aircraft category, since the issue of their licence.

The CAA has specified that Part-FCL holders with privileges to fly aeroplanes or TMGs shall undertake aerobatic flights only if they hold an aerobatic rating in accordance with FCL.800. This applies to both Part 21 and non-Part 21 aircraft. Holders of pilot licences issued under ANO Part.152 are not required to hold Aerobatic Ratings even when flying Part 21 aircraft, but are very strongly advised to take proper aerobatic training before flying any aerobatics.

The course requires at least 5 hours of aerobatic instruction (translating to 7 hours of flight time), and theoretical knowledge instruction as described below.

There is no test at the end of this course. The flight exercises are repeated as necessary until the applicant achieves a safe and competent standard. At the end of the course the student pilot should be able to perform a flight containing a sequence of aerobatic manoeuvres.

### **What does the course cover?**

- The Aerobatic Rating course is 7 hours of flying (around 10-12 sorties), along with around 8 hours of ground instruction. It normally takes 5 days, weather and student aerobatic capacity/aptitude permitting, with students normally doing 2 flights a day. Courses usually start on a Monday and continue through to Friday. Students should expect to spend all day with us (approx 9.00am-4.30pm) during the course.

### **Aircraft:**

- The course is conducted in the T67M260 Slingsby Firefly, which has a 260hp engine so a lot can be achieved in the time available due to its high performance and excellent climb rate. Please note that the course does not include a conversion to the T67M260 (this is something that may be done separately) - ie your instructor will still do the checks etc.
- We do not offer this course in the Extra300 as it is not good for teaching basic aerobatics. If you would like to try a flight in the Extra 300, please ask.

### **Availability & Pricing:**

- Courses normally start on a Monday and continue through to Friday. Due to busy schedules and the considerable amount of ground briefing, we are unable to offer weekend aerobatic training.
- Occasionally students who cannot commit a week choose to do the training a day at a time, particularly if they have prior experience. However as with all flying training, continuity is important, so if you fly on this basis, it may take you longer to complete the course.
- Price £2,995 all inclusive, assuming you reach the required standard within the 7 hours. If during this time you do not reach this standard ie "safe and competent" for the manoeuvres flown, extra time will be required at the equivalent hourly rate. A deposit of £200 is required to book a date, with the balance payable on arrival. Please email [info@ultimatehigh.co.uk](mailto:info@ultimatehigh.co.uk) or phone us on 01243 913916 for availability.
- Our Aerobatic Rating FCL.800 course is available to military pilots through ELCAS - the MOD's Enhanced Learning Credits Scheme (ELC). Go to their website and search for "Aerobatic" - we are provider 10824 Power Aerobatics Ltd (our registered company name).

## **Aerobatic Rating FCL.800 - Theoretical Knowledge**

- (1) human factors and body limitation:
  - spatial disorientation
  - airsickness
  - body stress and G-forces, positive and negative
  - effects of grey- and blackouts
- (2) technical subjects:
  - legislation affecting aerobatic flying to include environmental and noise subjects
  - principles of aerodynamics to include slow flight, stalls and spins, flat and inverted
  - general airframe and engine limitations
- (3) limitations applicable to the specific aircraft category (and type):
  - air speed limitations
  - symmetric load factors
  - rolling Gs (type-related, as applicable)
- (4) aerobatic manoeuvres and recovery:
  - entry parameters
  - planning systems and sequencing of manoeuvres
  - rolling manoeuvres
  - looping manoeuvres
  - combination manoeuvres
  - entry and recovery from developed spins, flat, accelerated and inverted
- (5) emergency procedures:
  - recovery from unusual attitudes
  - drills to include the use of parachutes (if worn) and aircraft abandonment

## **Aerobatic Rating FCL.800 - Flying Training**

- (1) confidence manoeuvres and recoveries:
  - slow flights and stalls
  - steep turns
  - side slips
  - engine restart in-flight (if applicable)
  - spins and recovery
  - recovery from spiral dives
  - recovery from unusual attitudes
- (2) aerobatic manoeuvres:
  - Chandelle (Wingover)
  - Lazy Eight
  - rolls
  - loops
  - inverted flight
  - Hammerhead turn (Stall Turn)
  - Immelmann (Roll off the Top)

### **What next?**

Progress beyond the Aerobatic Rating depends upon your objectives. We can offer a range of tailored training to enhance your piloting skills. If you wish to expand your aerobatics after this course, we recommend the Standard AOPA Aerobatics course next, followed by the Intermediate course. AOPA courses are set to equate to the levels to compete in the British Aerobatic Association Competitions of Basic, Standard and Intermediate.

*Please note that, in order to progress from one course level to another, considerable aerobatic consolidation practice is usually required in between - ie courses are not normally done straight after one another.*