Assessment of RPAS Flight Training Schools

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Overview

Flight School Accreditation Process
Organisation, Aircraft and Instructors

Flight School Operations
Multi-Rotor and Rotary
Assessment of Flight Training Schools

Assessment Process

**PHASE 1:** Assessment of the organization and the staff

**PHASE 2:** Assessment of ground and flight training instructors as appropriate

**PHASE 3:** Assessment of documentation and training material

**PHASE 4:** Assessment of student output

Gatewing N.V. Accreditation Flight Instructor Flight Test (Fixed Wing) September 2012
Assessment of Flight Training Schools

Assessment Elements

Instructors
BNUC Pt 1 – Theory
BNUC Pt 2 - Flight Test

Airworthiness
Training Aircraft/Systems

Organisation
Training Material
Premises
Test Site
Insurance

Independent Assessment of output
Candidate Flight Test

Light UAS Scheme™
(LUASS™)
BNUC™ Visual Line of Sight (VLOS) Syllabus

1. Introduction to Aviation
2. Air Law
3. Aircraft General Knowledge
4. Flight Performance & Operational Planning
5. Human Factors, Performance and Limitations
6. Meteorology
7. Navigation and Map Interpretation
8. Operational Procedures
9. Communications
10. Operation in different countries

Turweston Course – July 2013
Ground School and Examination

BNUC™ Independent Examination Board

2-3 Days Classroom based Theory Course

Multiple Choice Examination (60-100 Questions)
Specific aircraft registration
(G-UAV0000, NL PHAAA)

Design & Construction No.
DCN 000-000-00-00

Build state / LUASS-AW™

Flight test requirements depending aircraft type
RPAS Flight School Operation

Flight school Accreditation: O-000006-10-11-03
Initial Approval Gained: 11th November 2010

Peter Milner, Managing Director, Phoenix UAV Centre, UK
Phoenix UAV Centre

Staff and facilities

Instructor and Student Guides

Standards and Flight School recognition

Courses

Benefit of BNUC Theory OnLine

Multi-Rotor Flight Skill Training at Phoenix UAV Centre Test Site
Staff and Facilities

- Experienced Flight Instructors
- Briefing and debriefing facilities
- Dedicated Flight Training site
- Simulator Facilities
- Facilities for repair and maintenance

Accreditation for all <20kg Rotary & Multi-Rotor systems
Flight Instructors Guide

A guide to course delivery:

- Planning flight lessons
- Lesson plans – briefing, what, how, airmanship, debriefing
- Candidate assessment for flight examination readiness

Winter Daily Training Programme
What students use to guide them through the course:

- Required reading and simulator training
- Good airmanship
- Overview of RPAS, engines, R/C equipment, fuel, radio frequencies etc.
- Engines – running in and setting up
- Battery charging
- Effects of controls and the aerodynamics of any control surfaces
- Flight exercises and briefings
Training Courses

Operations
- Introduction to RPAS

Flight Skills
- BNUC-S™ Flight training and advanced post-qualification training
- New aircraft training

Safety
- Risk Assessment (e.g. Congested Areas)
- Battery management
Phoenix UAV Centre can now extend its reach and service to its existing and future customers wherever they may be in a cost effective and scalable manner to meet the exponential growth of the RPAS industry.

- Leading edge course based on over 5 years experience
- Integrates seamlessly into existing flight skills training structure
- Maintained in line with the Roadmap developments