

European Unmanned Systems Centre



EuroUSC

Unmanned Aircraft Systems

FLIGHT SCHOOL ACCREDITATION GUIDE

BNUC™ and BNUC-S™

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Document Reference: EUSC 21-07/013

Issue 1.0

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Flight School Accreditation Guide

INTRODUCTION

This guide lays out the requirements that a Flight School must meet to become a EuroUSC™ accredited Flight School for light Unmanned Aircraft Systems (UAS); those with a MTOM of less than 150kg.

Flight Schools are approved to provide Flight Training to students wishing to gain the Basic National UAS Certificate for light UAS (0Kg-150Kg). There are two categories of certificate awarded; the (BNUC™) for light UAS (20Kg-150Kg) and the (BNUC-S™) for light UAS with a Maximum Take-Off Mass (MTOM) of 20Kg or less referred to by the UK CAA as Small Unmanned Aircraft (SUA).

The term light UAS in this document refers to all UAS below 150Kg and SUA will be referred specifically where appropriate.

The BNUC™ or BNUC-S™ is awarded to students who have passed both a Ground School Examination and a Flight Test Examination. At present Ground School Courses and assessment are both carried out by EuroUSC™ as are Flight Test Assessments. The following refers to the requirements for Flight School training.

ASSESSMENT PROCESS

Organisations that wish to become approved Flight Schools must meet certain criteria and standards of operation under the following headings:

- Organisation Qualifications
- Staff Qualifications
- Light UAS and Airworthiness
- Instructors
- Flight School Site Facilities
- Processes and Procedures
- Training Material

Organisations wishing to provide Flight School services must first register using FORM 1 on the EuroUSC™ website www.eurousc.com specifying their Primary function i.e. Manufacturers, Distributors or Operators and indicate the types of light UAS that will be used for training.

A member of EuroUSC™ staff will then discuss the details of the requirements that need to be met however the following outline process will be followed:

Phase 1; Assessment of the organisation, the staff and the experience/competence of staff to operate a Flight Training school for light UAS.

Phase 2: Assessment of Pilot Instructor

Phase 3: Assessment of documentation and training material

Phase 4: Assessment of Student output

A maximum of two students can be trained during the initial assessment period before final Flying School Approval is granted.

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ORGANISATION QUALIFICATIONS

Flight Schools will normally be companies registered in their country of operation.

Companies may be Manufacturers, Distributors or Operators providing services to the UAS industry.

The following must be provided concerning the company that will be operating the Flight School.

- Name of Principal Owners/Shareholders
- Board Directors
- Person with overall Responsibility for Flight School
- Organisations Registered Address
- Operating Addresses
- Flight Site Addresses

The organisation must have a sound financial footing. Any substantial changes to the ownership of the organisation or changes to relevant Board members must be notified to EuroUSC™ before they occur in order for the Approval to remain valid.

STAFF QUALIFICATIONS

All staff must be qualified to carry out the roles that they perform in support of the Flight School including the provision of Flight Training and light UAS maintenance.

The organisation must ensure that the names of those employed and their roles with respect to Flight training are recorded.

INSTRUCTORS

The organisation must keep a record of pilot Instructors and aircraft maintainers/ground staff together with their training and experience records. Any currency requirements as regards teaching or Flight Operation should be clearly stated with the method required to achieve it.

Candidate Instructors should be holders of the relevant BNUC™ or BNUC-S™ and will be specifically required to be assessed for delivering Flight training in accordance to the organisations training material approved by EuroUSC™.

The assessment will be carried out during a routine Flight Training Session being carried out by the

Light UAS and AIRWORTHINESS

The BNUC™ or BNUC-S™ is valid only for a specific type of light UAS so it is important to clearly establish the type of aircraft being used for Flight Training. It also important to establish the maintenance and support for light UAS that will have a heavy workload and be subject to conditions resulting from use by ab-initio pilots.

All light UAS used for Flight Training must therefore have a valid Design and Construction Certificate and operation of the light UAS must be in accordance with any specific conditions entered on the Certificate as well as the Operations Manual.

EuroUSC™ may at its discretion allow a single specific type of light UAS to have “generic” status for a

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number of aircraft types and this will be clearly stated on the Flight School Approval Certificate specific to each organisation.

FLIGHT SCHOOL SITE FACILITIES

A site assessment will be carried out for each site at which the Organisation wishes to provide Flight Training. The exact criteria for each site will depend on the type and scope of light UAS and the operations for which the light UAS will be used. The following information is required for each site:

- Location name
- OS Reference
- Latitude and Longitude
- Map of location
- Responsible Person for Site
- UAS Registrations and DCC numbers for light UAS allowed to operate from site

EuroUSC™ will issue a Specific Location Approval for each site and will inspect each site on an annual basis.

Key areas that will form part of the assessment include:

- Suitability of site and flight area for flight training
- Simulator facilities as appropriate
- Briefing and debriefing facilities
- Facilities for repair and maintenance of light UAS

PROCESS AND PROCEDURES

The organisation shall provide a Training Manual for inspection that contains the processes and procedures under which Instructors giving Flight Training and Students undergoing Flight Training are managed which should include:

- Courses provided (Rotary, Sub 20Kg)
- Pilot Instructor recruitment, training and course delivery
- Student enrolment process, training and assessment

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TRAINING MATERIAL

The organisation shall provide the following training material:

Flight Instructors Guide - What your Instructors will be using to guide their delivery of the course

- Planning Flight Lessons
- Lesson Plan – Briefing, What, How, Airmanship, debriefing
- Assessment for Flight Examination readiness

Student Pilot Guide - What your Students will be using to guide them through the course

- Required reading and simulator training
- Good Airmanship
- Overview of UAS, Engines, R/C equipment, fuel, radio frequencies, support equipment and transmitter usage
- Engines – Running in and setting up
- Battery charging
- Effects of controls and the aerodynamics of any control surfaces
- Flight Exercises and Briefings

FURTHER INFORMATION

This brief guide has been put together to provide the basic minimum overview of the requirements for Flight School Training approval. Further discussion with the assessors will provide more information on any specific requirements base on the level and nature of the light UAS Flight School operation being put forward for assessment.

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