



REMOTE PILOT

Syllabus

Course provided by Vertical Master and in compliance with:

COMMISSION IMPLEMENTING REGULATION (EU) 2019/947 / EASA

Open and specific category operations



Certified Institut

Duration: 2 days (14 hours)

Schedule: 9:30am – 17:30pm

Prerequisites: Discovery

Course Objective:

- Practical training for operations in the framework of standard scenario 1 (STS1 - VLOS)
- Practical training for operations in the framework of standard scenario 2 (STS2 - BVLOS)
- Evaluation of practical skills in the framework of standard scenario 1 (STS1 - VLOS)
- Assessment of practical skills in the framework of standard scenario 2 (STS2 - BVLOS)
- Practical examination

Syllabus :

Chapter	Topic	Description
1.	Pre-flight actions	<ul style="list-style-type: none">• Operations planning, airspace considerations and risk assessment of the operation site• Pre-flight inspection and machine preparation (flight modes and power source hazards).• Knowledge of basic actions to be taken in case of emergency situations, including problems with the machine, or in case of risk of collision during flight with another flying device
2.	Flight procedures	<ul style="list-style-type: none">• Maintain an effective lookout and keep unmanned aircraft in the field of view (VLOS) at all times, including:<ul style="list-style-type: none">o Location awareness relative to operational spaceo Other airspace userso Obstacles and terraino Non-involved persons• Perform accurate and controlled flight maneuvers at various altitudes and distances corresponding to a given STS (including flight in manual/non-GNSS assisted mode)• Real-time monitoring of the machine's endurance limit• Flight in abnormal conditions.

3.	Post-flight actions	<ul style="list-style-type: none"> • Emergency landing in a safe area • Post-flight inspection and recording of all relevant data concerning the general condition of the UAS (its systems, components and power sources) • Conduct a debriefing of the operation • Identify situations where an incident report is required and complete the required incident report
4.	STS-2 specific operations (BVLOS)	<ul style="list-style-type: none"> • Pre-flight actions - operations planning, airspace considerations and site risk assessment. The following items must be included: <ul style="list-style-type: none"> • (A) airspace observation; • (B) operations with airspace observers (AOs): adequate placement of AOs, and a deconfliction scheme that includes phraseology, coordination, and means of communication;
5	Practical exercises	<ul style="list-style-type: none"> • - Practical exercise for Scenario 1 (STS1) • - Practical exercise for Scenario 2 (STS 2)