



# REMOTE PILOT

## Syllabus

*Course provided by Vertical Master and in compliance with:*

### COMMISSION IMPLEMENTING REGULATION (EU) 2019/947 / EASA

*Specific category operations*



*Certified Institut*

**Duration:** 2 days (14 hours)

**Schedule:** 9:30am – 17:30pm

**Prerequisites:** A1/A3 & A2

**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
- Theoretical online exam following the A2 online exam

**Syllabus :**

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

3.	Post-flight actions	<ul style="list-style-type: none"> <li>• Emergency landing in a safe area</li> <li>• Post-flight inspection and recording of all relevant data concerning the general condition of the UAS (its systems, components and power sources)</li> <li>• Conduct a debriefing of the operation</li> <li>• Identify situations where an incident report is required and complete the required incident report</li> </ul>
4.	STS-2 specific operations (BVLOS)	<ul style="list-style-type: none"> <li>• - Pre-flight actions - operational planning, airspace considerations, and site risk assessment. The following items should be included: (A) Airspace Observation; (B) Operations with airspace observers.</li> </ul>
5	Practical exercises	<ul style="list-style-type: none"> <li>• - Practical exercise for Scenario 1 (STS1)</li> <li>• - Practical exercise for Scenario 2 (STS 2)</li> </ul>
6	Theoretical examination STS-2 according to EASA guidelines	<ul style="list-style-type: none"> <li>• The examination required by paragraph 2(b) of UAS.STS-01.020 shall consist of at least 30 multiple-choice questions to assess the knowledge of the remote pilot who is already in possession of an A2 remote pilot certificate in accordance with UAS.OPEN.030, paragraph 2, regarding technical and operational mitigation measures, appropriately distributed among the following topics: <ul style="list-style-type: none"> <li>• Aviation regulations;</li> <li>• Human performance limitations;</li> <li>• Operational procedures;</li> <li>• Technical and operational mitigation measures for ground risk;</li> <li>• General knowledge of UAS;</li> </ul> </li> <li>• To pass the theoretical knowledge examination, the remote pilot examiner must achieve at least 75% of the total score.</li> </ul>