

V30 Aircraft Maintenance

1. Final Task Assignment

The task consists in the completion of three modules of aircraft maintenance.

- Module n°1: removal, disassembly, verification, reassembly and reinstallation of an engine sub-assembly according to the technical maintenance sheet. Contestants will fill out a verification report. The module will be performed on a turbojet's engine or starter.
- Module n°2: Troubleshooting and repair. Contestants will identify a problem using the report written by the pilot after his flight; they will establish a diagnostic and make recommendations for restoration to proper flight capabilities. The module will be performed on a helicopter. The jury will change the problem after each contestant's turn.
- Module n°3: Visual inspection. Contestants will follow each point of the procedure sheet to prepare the aircraft for its first flight of the day. They will fill out an inspection report. The module will be performed on a helicopter.

2. Allocated time: 6h00

- Module n°1: 3 hours and 30 minutes.
- Module n°2: 1 hour and 30 minutes.
- Module n°3: 1 hour.

3. Requirements

- The technical information necessary for the completion of the task will be provided to contestants on the day of the competition.
- Contestants are not authorized to speak amongst themselves or with people from the public for the duration of the competition.
- The jury will collect all electronic means of communication contestants may have (Cell phone, tablet computers...) at the beginning of the competition. They will be returned to their owners once the competition is finished.
- Contestants are not allowed to lend or borrow any equipment for the duration of the competition.
- Contestants must respect the safety rules. While completing modules n°1 and 3, they will notify the judge in charge of safety before activating any of the aircraft's controls.

4. Procedure

Day -1 (March 24th): On the day before the competition, contestants will be welcomed on the contest stand by members of the jury. A briefing about the organization of the competition and the safety rules will be arranged.

Day 1 (March 25th): Contestants will have 3 hours and 30 minutes to complete module n°1.

Day 2 (March 26th): Contestants will have 2 hours and 30 minutes to complete modules n°2 & 3.

N°	5. Evaluation criteria	Scoring scale
Module 1		60
01	Preparation of the work station	5
02	Search for the appropriate documentation	5
03	Respect of the protocols specified in the procedure sheet	14
04	Appropriate use of the tools	2
05	Respect of the safety rules and protocols	14
06	Complete technical investigation report	10
07	System conformity	10
Module 2		25
08	Correct identification of the problem	10
09	Repairs validated by the conformity of the system	15
Module 3		15
13	Inspection of each of the points specified in the procedure sheet	5
14	Identification of the anomalies in the different systems	10
TOTAL POINTS		100



Abi wishes you a good competition!