



Pre task assignment

COMPUTER ASSEMBLY

## 1. Summary

The task consists in the completion of 3 modules:

### ✓ **Module 1: Disassembly and Assembly**

Contestants will disassemble and assemble a computer with the provided pieces, and can upgrade the machine or repair this, with additional components as graphics card, network card, disk, RAM, which will be specified the day of the contest.

### ✓ **Module 2: Configuration**

Contestants will:

- Configure the BIOS.
- Install the drivers.
- Install the operating system which will be specified the day of the contest.
- Install the virtual operating system which will be specified the day of the contest.
- Configure network interfaces cards to connect to any printer, to any server provider, and which will be specified the day of the contest.

### ✓ **Module 3: IT ticket management**

Contestants will have to answer various questions from customers regarding hardware and software troubleshooting, as well as various configuration user issues.

## 2. Allocated time: 5 hours 30 minutes

The contest duration is 5 hours 30 minutes.

Module 1: 1 hour 30 minutes.

Module 2: 3 hours 30 minutes.

Module 3: 30 minutes (max).

## 3. Requirements

- ✓ All computers will be provided with an AZERTY keyboard. However, before the beginning of the contest, the contestants will be able to install their own keyboard.
- ✓ At the beginning of each task, the jury will collect all communication devices (smartphone, connected watch, digital tablet...) which will be restituted at the end of each task.
- ✓ Any contestant caught cheating, talking to someone from the public or using communication device will suffer a penalty of 5 points for the first transgression. A second transgression will lead to an exclusion from the contest.
- ✓ Requests for replacement due to defective products or missing parts will be accepted prior to the contest. Once the contest has started, no part replacement requests will be accepted.
- ✓ Contestants who damage any pieces or make any part unusable should notify the jury. Each piece replacement will cause points to be deducted from the final score.

- ✓ Contestants must respect safety requirements. Any incident will be immediately notified.
- ✓ Contestants will notify the jury upon finishing the task.

#### 4. Procedure

**Day - 1 (March 23<sup>rd</sup>):** On the day before the competition, contestants will be welcomed by members of the jury. A briefing about the organization of the competition and the safety rules will be arranged. Contestants will draw lots to be assigned to a work station. Due to the large number of registered candidates, the event will be organized in 2 groups. Contestants from the same delegation must compete in the same group. A schedule will be given to each candidate to precisely indicate their intervention times.

The group that is not in competition will have to register to go on an organized trip.

**Day 1 (March 24<sup>th</sup>):** Group n°1 will have 5 hours 30 minutes to complete module n°1, n°2 and 3.

**Day 2 (March 25<sup>th</sup>):** Group n°2 will have 5 hours 30 minutes to complete module n°1, n°2 and 3.

#### 5. Scoring criteria

N°	Items to be Evaluated	Scoring scale
<b>Module 1. Disassembly and Assembly</b>		<b>45</b>
1	External case	10
2	Internal case	30
3	Cleaning and tidying	5
<b>Module 2. Configuration</b>		<b>45</b>
4	Configuration of BIOS	8
5	Installation of the Operating Systems	15
6	Installation of the drivers	7
7	Configuration of the screen	5
8	Configuration of the Network Interfaces cards	10
<b>Module 3. IT ticket management</b>		<b>10</b>
<b>TOTAL</b>		<b>100</b>


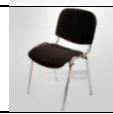
## 6. List of equipment

LIST OF THE PROVIDED EQUIPMENT				
N°	Equipment	Photo	Qty per contestant	Specifications
01	Case		1	Micro ATX
02	Motherboard		1	B550M DS3H Gigabyte
03	Processor		1	Ryzen 5 4500 6 cores
04	RAM		1	8 GB DDR4
05	SSD Disk		1	240 GB
06	HDD Disk		1	500 GB
07	Power supply		1	500W ATX
08	Keyboard		1	AZERTY
09	Optical mouse		1	Wired
10	Screen		2	24"

11	PCI EX graphics card		1	
----	----------------------	---	---	--

LIST OF TOOLS TO BE BROUGHT BY EACH CONTESTANT				
N°	Tool	Photo	Qty	Specifications
01	Native country keyboard		1	Contestant can install their non-AZERTY keyboard
02	Screwdrivers		1 set	
03	Multimeter		1	
04	Thermal paste		1	
05	Cloth		1	
06	Storage box		1	
07	Cable RJ45		2	CAT6

LIST OF FACILITIES INSTALLED AT THE CONTEST SITE				
N°	Equipment	Photo	Qty	Specifications
01	Printer		1	Network printer
02	Server		1	NAS
03	Jury's laptop		1	Core I5 / 16 GB
04	Antistatic carpet		1	
05	Protective gloves		1	
06	Access Point wifi		1	Wifi router
07	Cable RJ45		6	CAT6
08	Internet access		1	

EQUIPMENT PER JUDGE				
N°	Equipment	Photo	Qty	Specifications
01	Office desk		1,400 x 600 x 750	1
02	Visitor office chair		Dimensions: 55 x 80	1
03	Coat Rack		1	1
04	Multimeter		1/6	1/6
05	Internet access		1/6	1/6
EXPENDABLE MATERIALS PER JUDGE				
N°	Equipment	Photo	Qty	Specifications
01	Pen		1	
02	Pencil		1	

03	Scissors		1	
04	Paper A4		1	