Are my robots ready for the approval tests? Check it yourself! Test these following points (non-exhaustive list) before presenting your robots to the approval area.

### Robot #1 (controlled)
- ☐ ≤ 120 cm: non deployed perimeter (in vertical projection)
- ☐ ≤ 130 cm: fully deployed perimeter (in vertical projection)
- ☐ ≤ 35 cm: height (beacon support and emergency stop button excluded)
- ☐ ≥ 5 m: length of the cable control system - robot (optional if wireless controlled)
- ☐ ≥ 2 cm: length of the cable between the electrical socket and the power supply (optional if wireless controlled)
- ☐ Cable voltage ≤ 13.8 V.
- ☐ Ø ≥ 2 cm, height ≤ 37.5 cm and red coloured: emergency stop button (if batteries inside)
- ☐ Voltage embedded in the robot ≤ 48 V.
- ☐ ≤ 4 bars at any point of non-commercial compressed air systems
- ☐ Lasers: classes 1, 1M authorised; classes 2 accepted if the laser stays inside the playing area; higher classes forbidden. Provide the data-sheets.
- ☐ All the Lithium batteries in safety bags (except LiFePO4 & Mindstorm); bring the chargers.
- ☐ No forbidden equipments or dangerous for the persons or the goods (playing areas). File the projecting parts.

### Robot #2 (autonomous)
- ☐ I do not have a second robot (skip the following)
- ☐ ≤ 120 cm: non deployed perimeter (in vertical projection)
- ☐ ≤ 130 cm: fully deployed perimeter (in vertical projection)
- ☐ ≤ 35 cm: height (beacon support and emergency stop button excluded)
- ☐ ≥ 50 cm: cord length (starting system)
- ☐ Ø ≥ 2 cm, height ≤ 37.5 cm and red coloured: emergency stop button (if batteries inside)
- ☐ Voltage embedded in the robot ≤ 48 V.
- ☐ Presence of an actuator that can be used for one action (not necessarily to move)
- ☐ ≤ 4 bars at any point of non-commercial compressed air systems
- ☐ Lasers: classes 1, 1M authorised; classes 2 accepted if the laser stays inside the playing area; higher classes forbidden. Provide the data-sheets.
- ☐ All the Lithium batteries in safety bags (except LiFePO4 & Mindstorm); bring the chargers.
- ☐ No forbidden equipments or dangerous for the persons or the goods (playing areas). File the projecting parts.

- ☐ The robot(s) must stand in the starting area.
- ☐ ≤ 205 cm: sum of the non-deployed perimeters of the two robots
- ☐ ≤ 220 cm: sum of the deployed perimeters of the two robots
**Additional constraints**

Display Cabinet
- Should be contained in the dedicated platform and with good visibility from the audience.
- Width ≤ 22.2 cm;
- Length ≤ 45 cm;
- Height (not deployed) ≤ 30 cm (and during the match, can be deployed up to 90 cm)
- The basket count the cherry inside
- ≤ 3 kg: weight
- Emergency button (if batteries)
  - Fixation: threaded rod of Ø 8 mm & butterfly nut.

The score display is visible and easy to read. It is installed on the robot(s) or on the basket.

**Good to know!**
- I anticipate my passage to the approval area. I do not wait until the last minute!
- I do not hesitate to homologate my systems individually when they are ready.
- When a substantial material modification is done, I must re-homologate what is necessary.