CHECK-LIST Homologation guide



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.

Ġ	Robot	Ġ	SIMA
			I do not have a SIMA (skip the following)
Ж	≤ 120 cm: non deployed perimeter (in vertical projection)	K 7 K 7	fully deployed perimeter \leq 10 cm + non deployed perimeter
K 7	140 cm: fully deployed perimeter (in vertical projection)	<u></u>	≤ 15 cm: height (beacon support and emergency stop button excluded)
<u>‡</u>	≤ 35 cm: height (beacon support and emergency stop button excluded)	Ħ	Obstacle avoidance system; sufficient coverage around the robot in order to guarantee the detection in all the moves
W	≥ 50 cm: cord length (starting system)	· `	$\emptyset \ge 2$ cm, height ≤ 37.5 cm and red coloured: emergency stop button
JUNI	Beacon mast support (optional): convex hull at any altitude, between a 7×7 cm circle & a 10×10 cm square, solid & opaque.	Ĭ	≤4 bars at any point of non-commercial compressed air systems
	Beacon support (optional): min a Ø 7×7 cm circle to max a 10×10 cm square, Velcro rough hook side, stable, height=43 cm, may support 300 g	¥	Lasers: classes 1, 1M authorized; classes 2 accepted if the laser stays inside the playing area; higher classes forbidden. Provide the data-sheets.
 	Obstacle avoidance system; sufficient coverage around the robot in order to guarantee the detection in all the moves	ł	All the Lithium batteries in safety bags (except LiFePO4 & Mindstorm); bring the chargers.
WHE	$\emptyset \ge 2$ cm, height ≤ 37.5 cm and red coloured: emergency stop button	•	No forbidden equipments or dangerous for the persons or the goods (playing areas). File the projecting parts.
	A space of 100 x 70 mm is visible on one side for sticking the participation label.		
¥	Presence of an actuator that can be used for one action (not necessarily to move)		
Ĭ	≤ 4 bars at any point of non-commercial compressed air systems		
Ķ	Lasers: classes 1, 1M authorized; classes 2 accepted if the laser stays inside the playing area; higher classes forbidden. Provide the data-sheets.		
ł	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 must stand in the starting area.		
	The SIMAs must stand in the starting area.		

The score display is visible and easy to read. It is installed on the robot





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 nécessary.

