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 #1	Ġ	Robot #2
			I do not have a second robot (skip the following)
Ж	≤ 120 cm: non deployed perimeter (in vertical projection)	牂	≤ 120 cm: non deployed perimeter (in vertical projection)
K 7 K 9	\leq 130 cm: fully deployed perimeter (in vertical projection)	K 7	≤ 130 cm: fully deployed perimeter (in vertical projection)
<u> </u>	≤ 35 cm: height (beacon support and emergency stop button excluded)	<u>1</u>	≤ 35 cm: height (beacon support and emergency stop button excluded)
WHAT	≥ 50 cm: cord length (starting system)	WHE	≥ 50 cm : cord length (starting system)
WIND	Beacon mast support (optional): convex hull at any altitude, between a 7×7 cm circle & a 10×10 cm square, solid & opaque.	W	Beacon mast support (optional): convex hull at any altitude, between a 7×7 cm circle & a 10×10 cm square, solid & opaque.
	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		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
. • . 	Obstacle avoidance system; sufficient coverage around the robot in order to guarantee the detection in all the moves	÷.	Obstacle avoidance system; sufficient coverage around the robot in order to guarantee the detection in all the moves
WW	$\emptyset \ge 2$ cm, height ≤ 37.5 cm and red coloured: emergency stop button	· <u>`</u>	$\emptyset \ge 2$ cm, height ≤ 37.5 cm and red coloured: emergency stop button
	A space of 100 x 70 mm is visible on one side for sticking the participation label.		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)	¥	Presence of an actuator that can be used for one action (not necessarily to move)
ē	≤ 4 bars at any point of non-commercial compressed air systems	Ī	≤ 4 bars at any point of non-commercial compressed air systems
¥	Lasers: classes 1, 1M authorized; classes 2 accepted if the laser stays inside the playing area; higher classes forbidden. Provide the data-sheets.	¥	Lasers: classes 1, 1M authorized; classes 2 accepted if the laser stays inside the playing area; higher classes forbidden. Provide the data-sheets.
f	All the Lithium batteries in safety bags (except LiFePO4 & Mindstorm); bring the chargers.	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.	•	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.		

 \leq 205 cm: sum of the non-deployed perimeters of the two robots

Ж

 \mathbf{X} \mathbf{Z} \leq 220 cm: sum of the deployed perimeters of the two robots

Additional constraints



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.

