



Technical Checks

Date Event

Robot Name Driver Name

Weight kg Width mm Length mm Height mm

To be completed by a "Tech Checker"

		PASS	FAIL
Cradle	Must be secure and raise wheels away from the surface. For the avoidance of doubt, a cradle is not a house brick, tool box or roll of gaffer tape.	<input type="checkbox"/>	<input type="checkbox"/>
Sharp Edges	ALL sharp edges must be covered to prevent personal injury. Suitable covers and guards should be in place whenever the robot is outside of the arena.	<input type="checkbox"/>	<input type="checkbox"/>
Locking Bars	All weapons must be secured using a locking bar, quickly and easily be installed or removed without touching the weapon. Must ensure that the weapon cannot be fired during the activation process.	<input type="checkbox"/>	<input type="checkbox"/>
Batteries	Batteries must be adequately protected within the body shell and securely fixed to minimise the chance of being punctured or coming loose during combat.	<input type="checkbox"/>	<input type="checkbox"/>
Chargers	Chargers must be specifically designed for the battery chemistry. Where LiPo batteries are in use, charger must incorporate balance charging and roboteer provide LiPo Sack.	<input type="checkbox"/>	<input type="checkbox"/>
Wiring	All wiring and terminals must be of a suitable size and secured to prevent chaffing and shorting. All terminals should be covered to minimise the risk of electrical shorts.	<input type="checkbox"/>	<input type="checkbox"/>
Pneumatic System (Pass if not fitted)	Must meet requirements of the build rules including pressure relief devices and an easily accessible dump valve that is away from weapons, drive or sharp edges.	<input type="checkbox"/>	<input type="checkbox"/>
Hydraulic System (Pass if not fitted)	Must meet requirements of the build rules including a pressure relief valve. Pipe work and valves must be suitably rated for the pressure at which they are operating.	<input type="checkbox"/>	<input type="checkbox"/>
IC Engine System (Pass if not fitted)	Must meet requirements of the build rules including remote shut off. Fuel tank and lines must be protected from puncture. Fuel capacity is limited to 500ml.	<input type="checkbox"/>	<input type="checkbox"/>
Weaponry	Parts used in flippers, axes and the like must be tethered to prevent parts coming free in the event that the weapon fails. Discs must be built to prevent separation from the robot.	<input type="checkbox"/>	<input type="checkbox"/>
Removable Link	Electrical systems must be isolated by an easily accessible, removable link that is fitted away from weapons, drive or sharp edges.	<input type="checkbox"/>	<input type="checkbox"/>
Power-On Light	Must have an external "Power On" light that illuminates when the removable link is plugged in. Light should be clearly visible and in contrast to the surroundings.	<input type="checkbox"/>	<input type="checkbox"/>
Radio System	Must meet local requirements. Failsafes must be tested and bring robot to a neutral position on loss of signal or interference. The robot must demonstrate 'predictable operation'.	<input type="checkbox"/>	<input type="checkbox"/>
Deactivation	Ensure robot can be safely deactivated. Refit locking devices and sharp edge protection. Make Safe.	<input type="checkbox"/>	<input type="checkbox"/>
Weight Check	Maximum weight includes all consumables. Maximum weight does not include safety covers or locking bars that are removed when the robot is activated.	<input type="checkbox"/>	<input type="checkbox"/>

Comments

PASS



FAIL



A robot will not be allowed to compete unless all sections are marked as a pass

Inspected by:

Tech Checker

I agree to abide by FRA Build Rules and Competition Regulations and that this robot meets the requirements laid out in these documents. I also agree to additional requirements put in place by the event organiser as discussed (where applicable).

Accepted by:

Roboteer