

Hardware revision

This revision shall in no case include powering the main system of the platform. Any test requiring power supply to the main system shall be performed during the “*Functional system test*”.

If any component needs to be powered for testing, it must be powered independently without recourse to the main power supply system.

The hardware revision will depend on the platform and its respective maintenance manual, but the following points may be common.

However, each customer should have its own checklist, as it is only an example provided by Embention as an aid.

Balancing revision	
Weight	
Center of gravity position	
Power plant revision (engines and propellers)	
Fasteners and hardware	
Cleaning	
Bearings	
Defects, dents, cracks, crevices, fissures	
Wiring and connectors	
Electrical system revision	
Wiring and connectors	
Fasteners and hardware	
Batteries: charging, balancing, connectors, damages	
Frame/Fuselage revision	
Fasteners and hardware	
Defects, cracks, fissures, lamination	

Assembly of parts	
Landing gear (if applicable)	
Actuators revision (servos and similar)	
Wiring and connectors	
Fastening and screws	
Actuator rigging and travel (maximum and minimum positions, without friction). For this test, the 1xVeronte PDI Calibration software should be used	
Controller and peripherals revision (autopilot, sensors, etc.)	
Wiring and connectors	
Fastening and screws	
Isolation systems (Damping System , etc.)	
GPS antennas	
Pressure tubing revision (dynamic and static)	
Tubes and connectors	
Blockages or pinching	
Leaks	
Communication systems revision (radios, communication ports, RF links)	
Wiring and connectors	
Fastening and screws	
Antennas installation	
Heatsinks	
Visual indicators revision	
Wiring and connectors	
Fastening and screws	
Lights (leds)	

FTS warning device (if installed)	
Payload and security systems revision	
Wiring and connectors	
Fastening and screws	