

MSOE
EECS
EE-2931-Johnson

Test Plan Requirements

Your test plan must cover the following systems/sub-systems:

- Mechanical
- Power subsystem
- Display subsystem
- Motor subsystem
- Line sensing subsystem
- Distance (obstacle detection) sub system

Where applicable, the Component/Sub-System test plans should include:

- Block Diagram
- Schematic / Drawing / Photo - labeled
- Description of what is being tested
- Test procedures
 - Equipment
 - Measurement techniques
 - Test code
 - Input conditions
 - Expected Results
- Test Results
 - Tables, graphs, ...
 - Discussion of results – especially anomalies

Where applicable, tests should include:

- Physical Measurements – sizes, distances, weights, ...
- Continuity / Connectivity
- Voltages, currents
- Frequencies, duty cycles

Your test plan should include an overall system test

- Including all the applicable test plan components