

Testing Standard Operation Procedure

Project: LIBERTY

Task: Describe to procedure to follow during a test

Document Version Number: 1.0

Date: 29/10/2017

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Edit History: https://github.com/Gabetn/DPM_01_Project_Documentation



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1. Testing Procedure

1.1 Prior to test:

- Battery voltage must be 7.8 or higher
- Create tables to fill on excel
- Make sure no pieces of the mechanical design are missing (see *Hardware Design; 1.0* for reference)

1.2 During test:

- Run a minimum of 10 trials
- Charge robot in between code uploads

1.3 After test:

- Create a labeled graph with data
- Calculate standard deviation
- Calculate mean
- Input this data into new version of testing document, in a new test section, and follow the test analysis format described at the beginning of the document.