

P11216 Wandering Ambassador Software Test Plans & Test Results

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P11216 Wandering Ambassador Software Preliminary Test Plan

1. MSD I: WKS 8-10 PRELIMINARY TEST PLAN

1.1. Sub-Systems/ Functions/ Features

Major Sub-Systems/Features/Functions
1. Personality
2. Autonomous Movement
3. Autonomous Plant Care

1.2. Test Plans

1.2.1. Personality

Date Completed:

Performed By:

Tested By:

Engr. Spec. #	Specification (description)	Unit of Measure	Marginal Value	Ideal Value	Comments/Status
ES9	Has Personality	Binary	No	Yes	
ES26	Number of Personalities	Number	3	7	

1.2.2. Autonomous Movement

Date Completed:

Performed By:

Tested By:

Engr. Spec. #	Specification (description)	Unit of Measure	Marginal Value	Ideal Value	Comments/Status
ES10	Does not bump into people/objects	Bumps/hour	6	0	
ES13	Does not fall off ledges	Ledges fallen off/day	1	0	
ES28	Wheels controlled independently	Binary	Yes	Yes	

1.2.3. Autonomous Plant Care

Date Completed:

Performed By:

Tested By:

Engr. Spec. #	Specification (description)	Unit of Measure	Marginal Value	Ideal Value	Comments/Status
ES21	Senses Low Moisture	Binary	Yes	Yes	
ES22	Seeks Out Light	Binary	No	Yes	
ES23	Seeks Out Other Plants	Binary	No	Yes	
ES27	Waters plant when soil moisture is low	Binary	Yes	Yes	