

P11216 Wandering Ambassador Software Test Plans & Test Results

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2. MSD II WKS 2-3 TEST PLAN – “HOW, WHO, WHEN”

2.1. Data Collection

2.1.1. Data Collection Structure

Test Number	Name	Eng Spec Number	Test Description
TS1	Bump Reaction Time	ES10	Measure the time taken to react to a detected bump
TS2	Ledge Reaction Time	ES13	Measure the time taken to react to a detected ledge
TS3	Low Moisture Threshold	ES21	Determine if the software recognizes the low moisture threshold has been passed
TS4	Light Detection	ES22	Determine if the software can sense if it is receiving adequate light
TS5	Water Pump Activation	ES27	Determine if the software will activate the pump when the low moisture threshold has been passed

2.1.2. Sampling Techniques

Test Number	How Measured
TS1	Use a stopwatch to record the time taken between a bump and the reaction
TS2	Use a stopwatch to record the time taken between a ledge and the reaction
TS3	Slowly add water to the soil until it passes the threshold and see if the software registers the change
TS4	Test the software in a variety of lighting conditions and determine if it registers them correctly
TS5	Let the soil dry past its threshold and see if it activates the pump

2.2. Test Procedure, timeline

Test Number	Person Responsible	Planned Execution
TS1	Phil/Joe/Dave	3/25/2011
TS2	Phil/Joe/Dave	3/25/2011
TS3	Phil/Joe/Dave	4/1/2011
TS4	Phil/Joe/Dave	4/1/2011
TS5	Phil/Joe/Dave	4/1/2011