Feb 24, 2013

Team 19 Robot Control Specification Verification

**Laboratory # 2: Requirements and Specification**

**Morgan, Laura**

**Miaw, Jireh**

**Hauser, Steven**

**Dworak, Catherine**

**Bertoglio, David**

***Work Product***

**Verification of robot control specification document. Includes documentation of inspection, including mistakes and revisions.**

***Document Revision Information***

**Document Revision Information**

2/24/13 - created

**Approval Sheet**

**All group members whose names are listed below approve of the document and contributed fairly.**

**Member Names**

**Morgan, Laura**

**Miaw, Jireh**

**Hauser, Steven**

**Dworak, Catherine**

**Bertoglio, David**

**Pledge**

**On my honor, as a student, I have neither given nor received unauthorized aid on this assignment.**

**Names**

**Morgan, Laura**

**Miaw, Jireh**

**Hauser, Steven**

**Dworak, Catherine**

**Bertoglio, David**

# Table of Contents

[Table of Contents 3](#_Toc349480540)

[Inspection of Document 4](#_Toc349480541)

[Glossary 4](#_Toc349480542)

[Definition of Modes 4](#_Toc349480543)

[Mode Transition Table: 4](#_Toc349480544)

[User Interface 4](#_Toc349480545)

[Inputs and Outputs 4](#_Toc349480546)

[Events 4](#_Toc349480547)

[Mistakes 4](#_Toc349480548)

[Revisions 4](#_Toc349480549)

# Inspection of Document

## Glossary

Are all text macros and symbolic constants used in specification included in glossary? Yes.

Are all symbolic constants unchanging? Yes.

Are they all defined? Yes.

## Definition of Modes

Are all modes defined? Yes.

Is there anything the base computer can do that is not included in the modes? No.

## Mode Transition Table

Are all modes correctly connected? Yes.

## User Interface

Are all buttons defined as events/input? No. New mock up of GUI must be created.

Are all displays defined as outputs? Yes.

## Inputs and Outputs

Are all user inputs represented? Verify with use cases

Are all outputs to robot represented? Yes.

## Events

All events from user inputs? Yes.

All events from output? Yes.

# Mistakes

$max\_speed$ and $arc\_radius$ undefined

Table of Contents not updated

New mock up image of GUI needed with new changes to inputs and outputs accounted for.

# Revisions

$max\_speed$ and $arc\_radius$ to be determined after testing.

Table of Contents edited.

New mock up to be added by group member absent from meeting.