**Software Quality Assurance Plan**

For Multiagent Control of Traffic Signals

Version 1.0

Submitted in partial fulfillment of the requirements of the degree of MSE

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CIS 895 – MSE Project

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# Purpose

This document serves as the Software Quality Assurance (SQA) plan for the Multiagent Control of Traffic Signals system. This project is the Master of Software Engineering final project for Bryan Nehl.

# References

1. Bryan Nehl. “Multiagent Control of Traffic Signals Project Plan 1.0”, http://people.cis.ksu.edu/~bnehl/repos/macts.git/
2. IEEE Std. 730-1998, IEEE Standard for Software Quality Assurance Plans, IEEE 1998.
3. IEEE Std. 730.1-1995 IEEE Guide for Software Quality Assurance Planning, IEEE, 1995.
4. Kyle Hill. “GMoDS-based Runtime Agent Role Interpreter SQA Plan 1.0”. http://people.cis.ksu.edu/~kylhill/phase\_1/sqa\_plan.pdf.

# Management

## Management Organization

### Supervisory Committee

* Dr. Scott DeLoach
* Dr. Gurdip Singh
* Dr. David Gustafson

### Major Professor

* Dr. Scott DeLoach

### Developer

* Bryan Nehl

### Technical Inspectors

* Inspector 1 (TBD)
* Inspector 2 (TBD)

## Tasks

The project plan[1] details the major tasks that are to be completed.

## Roles and Responsibilities

### Supervisory Committee

asf

### Major Professor

asdf

### Developer

asdf

### Technical Inspectors

adf

# Documentation

Asdf

## Purpose

Asdf

## Minimum Documentation Requirement

Phase 1

Phase 2

Phase 3

# Standards, Practices, Conventions and Metrics

Asdf

# Reviews and audits

Asdf

# Test

Asdf

# Problem reporting and corrective action

Developer

Major professor

Supervisory committee

Technical inspectors

# Tools, techniques, and methodologies

asdf

# Code control, media control and supplier control

asdf

# Record collection, maintenance and retention

Asdf

# Risk management

Developer

Major professor