**Assessment Evaluation**

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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# Introduction

This document presents the results of testing the MACTS system components.

# References

“Test Plan” available at <http://people.cis.ksu.edu/~bnehl/>.

# Baseline metrics

Per section 6 of the Test Plan: I established baseline metrics for comparison by running 5 simulation runs of the default timing based configuration for a simulated hour of time. I used the average of the results as a basis for comparison.

*Table with the baseline metrics*

# Test Case Result Summary

Inspected feature items SR1, SR2, SR3…

Tested features…

# Inspection Result Details

SR1

SR2

SR3

# Black box testing

Per section 6 of the Test Plan, black box testing was done by watching the simulation and checking run metrics.

*Results…*

# White box testing for System Requirement Validation

These test cases refer to Section 10 of the Test Plan.

## Test Case 1

|  |  |
| --- | --- |
| System Requirements Covered |  |
| Testing Done |  |
| Results |  |

## Test Case 2

|  |  |
| --- | --- |
| System Requirements Covered |  |
| Testing Done |  |
| Results |  |

## Test Case 3

|  |  |
| --- | --- |
| System Requirements Covered |  |
| Testing Done |  |
| Results |  |

## Test Case 4

|  |  |
| --- | --- |
| System Requirements Covered |  |
| Testing Done |  |
| Results |  |

## Test Case 5

|  |  |
| --- | --- |
| System Requirements Covered |  |
| Testing Done |  |
| Results |  |

## Test Case 6

|  |  |
| --- | --- |
| System Requirements Covered |  |
| Testing Done |  |
| Results |  |

# Agent Performance Measures

## Reactive Agent

|  |  |
| --- | --- |
| Light Load Test |  |
| Medium Load Test |  |
| Full Load Test |  |

## Collaborative Agent

|  |  |
| --- | --- |
| Light Load Test |  |
| Medium Load Test |  |
| Full Load Test |  |

## Genetic Agent

|  |  |
| --- | --- |
| Light Load Test |  |
| Medium Load Test |  |
| Full Load Test |  |

# Problems Encountered

problemos

# Summary