**Bug Report**

for

**Train Controller (NSECS-TNC)**

**Prepared by**

BreathlessBovine: Ben Tomasulo

**Organization**

ECE/COE 1186: Software Engineering

**Date**

4/25/2013

**Bugs**

Some bugs were simple compiler errors or other easily fixable mistakes. In these instances bug reports were not created.

Bug TNC-1:

Name: Ben Tomasulo

Date Started: 4/21/2013

Date Solved: N/A

Issue: Train Controller either provides max power or none.

Resolution: 4/22/2013

Comments: The TNC had its Kp and Ki constants for the power calculation tuned.

Bug TNC-2:

Name: Ben Tomasulo

Date Started: 4/22/2013

Date Solved: N/A

Issue: Train Controller power increases continuously.

Resolution: 4/22/2013

Comments: The TNC had the integral part of its power calculation reset to 0 after each stop.

Bug TNC-3:

Name: Ben Tomasulo

Date Started: 4/23/2013

Date Solved: N/A

Issue: Train does not stop down at every stop

Resolution: 4/23/2013

Comments: The TKC will pass a transponder signal to the TNM, which will pass that to the TNC. The TNC will then use this transponder signal to slow down when approaching stations.