

Group No: 06
Date: 1/21/02
Report No: 01
Project Title: Wireless Cargo Container Tracking System

Group Leader: Andrew Nikow
Advisor: Yu Dong Yao
Sponsor/Client: Interpool

Project on Schedule: YES
Hours Spent Thus Far: 50 (over the break included)

Weekly Status:

The group has successfully reestablished over winter break. We are currently planning several coordination meetings with team members and advisors. These meetings are to update the team and advisors as to the progress we have made over the break.

We worked on two major items over the break. First we continued the planning and design of a Bluetooth based transponder system as proposed in our original design. Equipment has been order and an initial prototype could see development very shortly.

The second major item that we looked at was a new design alternative proposed by the sponsor late December of last year. It involves developing a high-speed RF based system which can operate at highway speeds. This system is similar in nature to current weigh station transponders which automatically gather weight information from passing vehicles. However at the time we were unaware of the constraints and limitations of the systems. Factors such as bandwidth, range, and infrastructure were unknowns and needed to be looked at. These factors were researched over the break and will be addressed in the upcoming meetings.