

Group No: 06  
Date: 2/11/02  
Report No: 04  
Project Title: Wireless Cargo Container Tracking System

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

Project on Schedule: YES  
Hours Spent Last Week: 50

Weekly Status:

During the week of 02/04/02 the group has seen its efforts begin to come to fruition. The group has received the bluetooth development kit ordered from Widcomm, the smart card reader/writer purchased from buy.com, and met with Dr. Yao to determine goals for prototypes built by March 1 and later in the semester. Finally the group has begun building the first prototype transponder/gate reader system.

The development kit was delivered to Dr. Yao on Thursday, February 7 at a cost of about 1100 dollars. The smart card reader/writer was purchased at a cost of about 30 dollars. The group immediately began experimenting with the capabilities of the equipment to build a prototype system. Thus far the group has written data to and read data from the smart card using a laptop connected via USB. The group has also begun experimenting with the bluetooth kit to try to transmit the data on the smart card between base and mobile stations wirelessly. The group will most likely produce a prototype system that will meet the demands of the low-speed (backed up to the gate) scenario by March 1.

The group has successfully written data to and read data from the smart card however still plans to work in conjunction with Interpool group II in order to ensure proper encryption of code to address security concerns.

Finally, the group is set to meet with Drs. Yao, Keating, and Bruno Tuesday to discuss the progress of the project.