

Group No: 06  
Date: 1/28/02  
Report No: 02  
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: 48

#### Weekly Status:

In the past week Group 06 has accomplished some tasks that will prove critical in assuring the on time completion of a worthy project. The group has produced an executive summary detailing the work completed thus far including advances made over winter break, a technical report stating the specifications of each technology used and why these fit well in the scope of the project, met with Drs. Keating and Yao, ordered parts from a comprehensive parts list, and confirmed funding from the corporate sponsor.

As noted in the executive summary, the final goal of the project is to address the problems of current supply chain management systems. The wireless system proposed will now be separated into two modules. The first will function as a low-speed tracking system and will be located at loading docks. This system will function to transmit detailed data such as the location, status of cargo, and status of driver. The second module will be a high-speed system and will transmit less detailed data; perhaps only the location. The summary also reports some new technical specifications such as FCC bandwidth regulations that will be addressed.

The technical report further explains the details of both the proposed low and high-speed systems.

The group met with Drs. Keating and Yao on Wednesday, January 23 in order to iron out some of the details concerning the parts list and corporate funding. At the meetings close it was decided that the group will purchase one commercial bluetooth kit for approximately \$150 and either one or two single or multiport bluetooth cards for the low-speed system. It was also determined that the group has received \$2,000 in corporate funding and currently is in no danger of exceeding budget.