

**EE/CpE 423-424
WEEKLY STATUS REPORT**

Group #	09	Week ending:	03/07/04	Report #	7
Project Title:	GPS Mass Transit Tracker				
Group Leader:	A. Zimmer	Advisor:	Prof. McNair		
Sponsor/Client:					
Total number of person-hours spent on project by group during past week:				24	
Is project on schedule?		Yes	[x]	No	[]

Weekly status:
<p>This week, progress has been made in the following areas:</p> <p style="margin-left: 20px;">The interconnections to the RF transceiver were made to the MAX3100 UART and micro. This UART, made by Maxim, interfaces directly to a microcontroller's SPI bus, which is not being used in our setup. This chipset was selected due to its small package (14pin DIP) and reduced hardware complexity over the parallel UART (e.g. Texas Instrument's TL16C550), which comes in a 40pin DIP and would require a decoder. A sample of the MAX3100 was requested (as well as the TL16C550, for backup).</p> <p style="margin-left: 20px;">Several tests were also performed regarding software and communication between the micro and host PC. The RF datalink will be tested as soon as the SPI-enabled UART becomes functional.</p> <p style="margin-left: 20px;">Work on the PC software for spoofing GPS data is still continuing. Also, a small application for collecting data from a GPS receiver has been started. This will allow us to drive along a rout and collect a set of points that can be used by the pc software to send data during our demonstration.</p> <p style="margin-left: 20px;">Finally, the group has re-evaluated the website and came up with some new suggestions for improvement.</p>

Weekly report is due to Senior Design Coordinator by Noon Monday