

## **Motorola Adopts CALCE MOCA Design Refresh Plan for GTR8000 Hardware Platform**

As a result of CALCE and Motorola's joint work to evaluate and optimize the life cycle management plan for the GTR8000 hardware platform, Motorola has announced that they will adopt the CALCE MOCA generated hardware design refresh plan for the future management of the GTR8000 system.

GTR8000 is a COTS-based 700-800 MHz RF base station communications system that replaces several older base station products, and provides a radio frequency hardware platform for a variety of systems and communications modes.

The life cycle management planning for the GTR8000 was performed using the MOCA (Mitigation of Obsolescence Cost Analysis) tool developed by CALCE to optimize the dates and content of design refreshes over the product's 15+ year life. The optimum plan developed using MOCA resulted in a forecasted life cycle cost avoidance of over \$33M when compared to managing the system using lifetime buys of parts as they become obsolete. Motorola plans to expand the refresh planning methodology to all bands (UHF and VHF) and product derivatives.

The MOCA study was conducted in Summer and Fall 2005 by Professor Peter Sandborn and Graduate Student Jessica Myers. More information on the MOCA design refresh planning tool is available at the following link:  
[http://www.calce.umd.edu/contracts/MOCA/MOCA\\_Page.htm](http://www.calce.umd.edu/contracts/MOCA/MOCA_Page.htm)