

May 10, 2011

Dear Congressman:

We the undersigned are writing to bring to your attention a decision by the Federal Communications Commission (FCC) to grant a conditional waiver to allow a company called LightSquared to build tens of thousands of ground stations operating in spectrum immediately adjoining that of the US GPS system that may cause widespread interference. This is a matter of serious concern to the aviation industry and much of US commerce and we respectfully request that you require the FCC to take all steps necessary to protect the GPS.

As you know, GPS was first launched more than 30 years ago and is now a critical and extremely reliable part of our aviation and national infrastructure. Millions use it routinely every day and federal investment in these systems totals over \$35 billion. If GPS is interfered with, not only will aviation be adversely impacted, critical private and public sector activity will be adversely affected as well. This includes public safety, homeland security, consumers, marine, transportation, agriculture, forestry, engineering, time transfer and construction, to name but a few applications.

Thousands of aircraft use GPS receivers for navigation, including approach and landing and it is central to the Federal Aviation Administration's ADS-B-based Next Generation Air Transportation System. GPS is used for the cellular telephone E-911 program and helps first responders locate people in emergencies. We are extremely concerned that these receivers could be jammed within miles of LightSquared's transmitters and the consequences of disruption to the GPS signals are far reaching, creating 40,000 "dead spots" each miles in diameter through U.S. cities. Attached is a detailed backgrounder.

The FCC's conditional waiver is highly unusual and LightSquared's planned use of the L-Band is fundamentally different from the "ancillary terrestrial component" of satellite based services that the FCC's rules permit and by every indication to date, is incompatible with existing GPS use.

To safeguard GPS, the Coalition to Save Our GPS has been formed and to date, more than 200 members have joined the Coalition. The DOT, DOD and U.S. Senate have expressed serious concern and we urge you to join the DOT, DOD and several Members of the U.S. Senate in sending a letter to the FCC requiring that they take all necessary steps to protect GPS.

Sincerely,

