

**GRAND LODGE
FRATERNAL ORDER OF POLICE®**

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NATIONAL PRESIDENT

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September 12, 2000 MAIL ROOM

Ms. Magalie Roman Salas
Secretary
Federal Communications Commission
445 12th St., SW
Washington, D.C. 20554

Ref: Ultra-Wideband
ET Docket 98-153

Dear Ms. Salas:

I am writing on behalf of the more than 290,000 members of the Fraternal Order of Police urging the Federal Communications Commission (FCC) to consider approval for the use of ultra-wideband (UWB) technologies for the benefit of public safety and the protection of law enforcement personal.

Last March, representatives of Time Domain Corporation, one of several companies in the UWB Working Group, hosted us to a demonstration of a see-through-walls radar product which used ultra-wideband technology. The product was able to identify motion on the other side of a solid wall and indicate the degree to which motion occurred. Although the technology remains at the early states of development, we are very excited about its potential in the area of law enforcement and public safety.

Ultra-wideband technology also offers great promise in the area of tactical asset control and coordination. Time Domain's projected GeoTrack System is a wireless positioning and geolocation system that can locate and track personnel or equipment inside a building or finite space. The technology allows for real time tracking of people, animals or equipment inside a location--within several inches--by using a series of portable fixed antennas at a rescue scene and transmitters on rescue personnel. As the personnel move inside the facility, the fixed antennas track the relative location to each of the units. This application could be of enormous benefit to the leaders of rescue teams at disaster scenes or during hostage takings.

Ultra-wideband technology also provides the technology behind a new generation of completely covert radio, enabling police and special units to operate radios while maintaining "radio silence" to avoid eavesdropping by unauthorized persons.

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Ms. Magalie Roman Salas,
Secretary
Federal Communications Commission

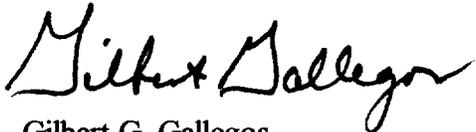
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Because of its unique properties, UWB offers significant promise in the effort to expand the use of the radio spectrum. In recent years, we in the public service community, have become increasingly concerned with interference into public service radio frequencies. UWB may be the solution to many of these problems as frequencies become less necessary modes of radio and communication transmission--replaced instead by extraordinarily brief pulses of UWB energy.

We believe that technological advancements in UWB could prove invaluable to the operations of police departments nationwide. If police officers had the technology to "see" through walls to identify criminals or hostages, they could save the lives of many citizens and officers involved in dangerous situations. If rescue personnel and their assets could be traced to within inches of their location, it would greatly enhance command and control of emergency environments. This might only represent the tip of the iceberg in terms of what this technology can do.

The Fraternal Order of Police understands that this important technology must be approved pursuant to the FCC's rule-making process before it may be made widely available. We urge the FCC to approve, expeditiously, the use of ultra-wideband technologies for the benefit of law enforcement and public safety departments across the country. This see-through-wall radar has the potential to produce enormous public safety benefits, and we can think of no better role for government, at any level, than to expedite the deployment of technologies that can save lives.

Sincerely,



Gilbert G. Gallegos
National President