

An advanced air traffic control system developed by Hughes Electronics will give Polish Airports State Enterprise (PPL) thorough, efficient training at low cost. This state-of-the-art trainer will help new and advanced ATC personnel in enroute, terminal and tower operations, providing a realistic view of airspace, as well as comprehensive ATC procedures and missions. The state-of-the-art trainer has a 180-degree field-of-view tower simulator; an out-of-window, three-channel visual display; three training positions; a site-specific Warsaw database; and two radar controller workstations. The trainer will be installed in late 1996 at PPL's ATC training facility in Warsaw.

The first of eight APG-73 radars for Malaysian Air Force's F/A-18D Hornets has been delivered to McDonnell Douglas for installation. Considered by many the world's most advanced tactical radar system, the APG-73 incorporates concepts and components that allow superior performance and reliability, growth potential through increased throughput and memory, and easy maintenance. The APG-73 radar is an upgrade of Hughes' combat-proven APG-65 system, used in aircraft flown by the U.S. Navy and Marine Corps, and the air forces of Canada, Australia, Spain, and Kuwait, Germany's Luftwaffe and the navies of Italy and Spain. Other armed forces using the APG-73 include Finland and Switzerland.

Hughes will provide the U.S. Army with a modified version of its commercial DirecPC™ for delivering high-speed digital information in a variety of military operations. With its 12 megabytes per second, DirecPC offers 100 times the information download capacity of existing communications networks. The militarized DirecPC system, which will support continental U.S. and battlefield operations, allows command centers to selectively or simultaneously disseminate information. It also gives battlefield commanders at all echelons rapidly deployable communications for presenting a near real-time comprehensive view of battle situations.

U.S. defense forces will soon be able to receive information in a fraction of the time now required. Hughes is expanding the communications capacity on three UHF Follow-On satellites currently under construction. The Navy requested additional payloads to upgrade the satellites for a Global Broadcast Service, an interim step toward modernizing the DoD's global communications network. The satellites will support a full range of communications requirements, from intelligence dissemination to entertainment programming.

Hughes will demonstrate technologies for the next generation of avionics. Under contract to the U.S. Department of Defense, Hughes will demonstrate an affordable, multi-function, wideband, active array for the Joint Strike Fighter (JSF) Program. This marks an important milestone in development of a Multi-functional Integrated Radio Frequency System (MIRFS) for future aircraft. MIRFS will integrate radar, electronic warfare, and selected communications functions in a single nose aperture. The JSF family of aircraft, with its MIRF subsystems, will complement the Navy's F/A-18E/F and will replace the Air Force's F-16, the Marine Corps AV-8B and F/A-18 aircraft, and the UK Royal Navy's Sea Harrier.

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