



Robert Curbeam, Jr. is vice president, Mission Assurance, for Raytheon Company's Integrated Defense Systems (IDS) business. In this role, he is responsible for the development and integration of Raytheon's Mission Assurance road map. He provides leadership across all levels of Raytheon to ensure flawless program execution and total customer satisfaction.

Raytheon Company (NYSE: RTN), with 2011 sales of \$25 billion, is a technology and innovation leader specializing in defense, homeland security and other government markets throughout the world. With headquarters in Waltham, Mass., Raytheon employs 71,000 people worldwide.

Headquartered in Tewksbury, Mass., Integrated Defense Systems (IDS) has locations in Washington, California, Utah, New Mexico, Virginia, Texas, Maryland, Rhode Island, Alabama, Australia, Germany, Saudi Arabia and the United Arab Emirates. Its broad portfolio of weapons, sensors and integration systems supports its customer base across multiple mission areas including air and missile defense systems, missile defense radars, early warning radars, naval ship operating systems, robotics and other advanced technologies. With a workforce of more than 13,900 employees and 2011 sales of \$5 billion, IDS provides affordable, integrated solutions to a broad international and domestic customer base, including the U.S. Missile Defense Agency, the U.S. Armed Forces and the Department of Homeland Security.

Curbeam is a proven leader in quality assurance, business management and customer relations. Before

Biography

joining Raytheon, Curbeam was president of the Aerospace and Defense Division for the ARES Corporation. He was responsible for business development and driving profit for nine operations.

Prior to ARES, Curbeam was an astronaut with National Aeronautics and Space Administration (NASA). He held a wide range of positions with NASA as director of Safety, Reliability, and Quality Assurance for the Constellation program, deputy director of Flight Crew Operations, and Spacecraft Communicator (CAPCOM) branch chief. He was second in command for Safety across NASA as the deputy associate administrator of Safety and Mission Assurance at NASA headquarters. During his tenure with NASA, Curbeam served on three space shuttle missions and seven spacewalks.

Curbeam retired from the U.S. Navy with 23 years of naval service. He is a graduate of the Navy Fighter Weapons School (TOPGUN) and Navy Test Pilot School, was lead project manager officer for the F-14 Air-to-Ground Weapons Separation Flight Test Program, and logged over 3,000 flight hours in 25 different aircraft and spacecraft.

He holds an advanced degree of aeronautical and astronautical engineering and Master of Science degree in aeronautical engineering from the Naval Post Graduate School in Monterey, Calif. He received his bachelor's degree with merit in aerospace engineering from the U.S. Naval Academy in Annapolis, Md.