



Biography

Dr. Taylor W. Lawrence is a Raytheon Company vice president and president of its Missile Systems business, a position he assumed in July 2008. Raytheon Company (NYSE: RTN), with 2018 sales of \$27 billion and 67,000 employees, is a technology and innovation leader specializing in defense, civil government and cybersecurity solutions. Raytheon is headquartered in Waltham, Massachusetts.

Headquartered in Tucson, Arizona, Missile Systems also has locations in Alabama, Arkansas, Kentucky, New Mexico, Oklahoma and Texas, as well as oversight of the operations of Raytheon UK and Raytheon Emirates. Its broad portfolio of weapon systems supports every mission area of its customers, including air-to-air, land combat, naval weapons, strike weapons, missile defense, guided projectiles, directed energy systems, and combat and sensing systems. The business continually develops and invests in new, innovative technologies to provide rapid, high-quality, affordable mission capability to its customers. Raytheon Missile Systems is the world's leading producer of weapon systems for the United States military and the allied forces of more than 50 countries. Missile Systems had 2018 sales of \$8.3 billion and employs more than 16,000 people.

Prior to leading Raytheon Missile Systems, Dr. Lawrence served as Raytheon's vice president of Engineering, Technology and Mission Assurance. In that role, he guided the company's vision and provided corporate leadership in the strategic areas of technology and research, engineering, operations, performance excellence, Raytheon Six Sigma™ and Mission Assurance.

Previously, Dr. Lawrence was sector vice president and general manager of the C4ISR and Space Sensors division for Northrop Grumman Electronic Systems. He joined

Northrop Grumman in March 1999 as vice president of Products and Technology for the Systems Development and Technology division. He was promoted to sector vice president and division general manager in August 2001.

Before joining Northrop Grumman, Dr. Lawrence served as the staff director for the Select Committee on Intelligence for the U.S. Senate and, previously, as deputy director of the Information Systems Office of the Defense Advanced Research Projects Agency. He also held a variety of scientific and research leadership positions, including deputy program leader of the Advanced Imaging, Imaging & Detection Program of the Lasers Directorate at the Lawrence Livermore National Laboratory; senior staff scientist of the Research and Development division of Trex Enterprises; and research assistant and undergraduate research fellow in the physics department at the California Institute of Technology.

Dr. Lawrence holds a bachelor's degree in physics from the California Institute of Technology and a master's degree in applied physics from Stanford University. He earned his doctorate in applied physics from Stanford in 1992.

Dr. Lawrence is a member of the Caltech Board of Trustees and the Caltech Space Innovation Council. He is a former member of the Defense Science Board and vice chairman emeritus of the Air Force Studies Board of the National Academies. He is a fellow and lifetime member of the American Institute of Aeronautics and Astronautics, and serves on the boards of the Arizona Commerce Authority and the Arizona Zanjeros. In 1996, Dr. Lawrence was honored with the Secretary of Defense Medal for Meritorious Civilian Service. In 2013, he received the Medal for the Advancement of Research from ASM International.