



Renato F. “Fred” Roscher, Jr. is the executive vice president for Broadband Communication Systems in the Applied Signal Technology mission area of Raytheon Space and Airborne Systems. Mr. Roscher has held this position since 2006 and prior to this, he was the Director for the Communications Intelligence Group. In his twenty plus years at Applied Signal Technology, Mr. Roscher has served in many roles from software development, system and corporate engineering, program management, and finally, senior management.

Broadband Communication Systems is the largest division in the mission area, focusing on extracting high-capacity communications intelligence from both computer and voice telephony signals. The division is responsible for all aspects of product and system/subsystem development and deployment including software and hardware product design and fabrication, system integration and test, operations and maintenance, and mission management and analysis.

Mr. Roscher’s responsibilities include providing direction and vision to his five business areas with over 350 technical staff, overseeing program execution, and managing investment resources. His division is chartered with creating the latest, most advanced signal processing solutions aimed at the intelligence community’s hardest problems. With his prior Government work and career at AST, he brings over thirty-five years experience in state-of-the-art signals intelligence.

Prior to joining AST in 1987, Mr. Roscher enjoyed a twelve-year career at the National Security Agency. He was the manager for the Advanced Signal Processing Division where he led the design, development, and deployment of multiple high-capacity FDM collection systems. Mr. Roscher also served as project engineer and system designer in Frankfurt, West Germany, where he built quick reaction processing solutions to solve a wide variety of special signal needs for U.S. Military sites throughout Europe. As an Engineer in NSA’s Communications Security Division, Mr. Roscher

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designed and developed new algorithms and processing solutions for speech encryption.

Mr. Roscher holds an MSCS from Johns Hopkins University and a BSEE from Lehigh University.

Raytheon Space and Airborne Systems is a leading provider of sensor systems giving military forces the most accurate and timely actionable information available for the network-centric battlefield. With 2010 revenues of \$4.8 billion and 11,700 employees, SAS is headquartered in El Segundo, Calif. Additional facilities are in Goleta, Calif.; Forest, Miss.; Dallas, McKinney and Plano, Texas; and several international locations.

Raytheon Company, with 2010 sales of \$25 billion, is a technology and innovation leader specializing in defense, homeland security and other government markets throughout the world. With a history of innovation spanning 89 years, Raytheon provides state-of-the-art electronics, mission systems integration and other capabilities in the areas of sensing; effects; and command, control, communications and intelligence systems, as well as a broad range of mission support services. With headquarters in Waltham, Mass., Raytheon employs 72,000 people worldwide.