

Dr. George L. Donohue
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Dr. George L. Donohue, formerly Associate Administrator of Research and Acquisition in the Federal Aviation Administration, who has broad experience in managing major research and technology projects in both the public and private sector, was named the FAA visiting Professor for Air Transportation Technology and Policy in July, 1998. He assumed his current position as Professor of Systems Engineering and Operations Research in February of 2000.

Dr. Donohue became the Federal Aviation Administration's Associate Administrator for Research and Acquisitions in August 1994. In this capacity, Donohue was responsible for a 2,000-member organization charged with designing and upgrading the infrastructure of the National Airspace System (NAS) to keep pace with new technology and increasing customer demands. As one of his first major actions, Donohue restructured the organization along product lines, to provide increased horizontal integration and teamwork with other FAA organizations and the aviation community, in an effort to speed delivery

of technology to market at reduced costs. In early 1995, he initiated the development of the NAS Architecture, which has become the world's benchmark for international technology investment. In April 1996, he introduced a new, innovative, common sense Acquisition Management System and the Joint Resources Council to the FAA, replacing the old government procurement regulations and fragmented decision-making process. In July 1998, his organization began evaluating a new personnel system for the FAA that he was instrumental in designing based on individual competency and team performance. Also in April of 1998, he was the Head of the U.S. Delegation to the International Civil Aviation Organization (ICAO) meeting in Rio de Janeiro, Brazil on modernization of the world's Air Transportation Infrastructure.

Before joining the FAA, Donohue served as vice president of the RAND Corporation, in Santa Monica, California, since 1989. In that position, he directed Project AIR FORCE, overseeing research, quality control and financial management of the USAF's Federally Funded Research and Development Center (FFRDC) for policy and analysis. From 1987 to 1995, Donohue was also a member of the RAND Graduate School of Public Policy Faculty. In that role, he served on six Ph.D. committees, chairing four of them. He started at RAND in 1984 as a senior engineer in the Engineering and Applied Sciences Department. Later, he moved up to become associate director of the International Security and Defense Policy Program and then director of the Technology Applications Program for Project AIR FORCE.

Concurrently, from 1988-1989, Donohue served as director, Aerospace and Strategic Technology Office, for the Defense Advanced Research Projects Agency (DARPA), in Washington, D.C.. From 1979 to 1984, he was vice president, Dynamics Technology, Inc., of Torrance, California, a

small, high technology research and venture capital firm. Prior to that, he served for two years as Associate Department Head and then Head of the Advanced Concepts Division in the Fleet Engineering Department for the Naval Ocean Systems Center, in San Diego. From 1976-1977, Donohue was program manager, Tactical Technology Office, at DARPA, and from 1973-1976 he managed the Fluid Mechanics Branch in the Fleet Engineering Department for the Naval Ocean Systems Center, in San Diego.

He is a member of numerous professional organizations, including being a Fellow of the American Institute of Aeronautics and Astronautics, a member of the Aircraft Owners and Pilots Association (AOPA), the Experimental Aircraft Association (EAA), and the Air Traffic Control Association (ATCA). From 1987-1991, he served as a member of the Advisory Committee for the Aerospace Engineering Department at Pennsylvania State University and in 1988 as a member of the Advisory Committee for the Mechanical Engineering Department at the University of Texas. From 1995 - 1997 he served as a member of the Board of Directors for RTCA. He was a member of the Scientific Advisory Board of the NASA Institute for Advanced Concepts (NIAC) and was on the NASA Goals subcommittee of the NASA Advisory Committee.

Donohue is the author of a book on Air Transportation Systems Engineering. He is also the author of several book chapters on air transportation capacity, a RAND monograph on marginal cost analysis and technology investment strategy, a book chapter on approaches to defense conversion and numerous reports on defense technology. He has testified before congress on numerous occasions, both while he was with the RAND Corporation, the FAA and George Mason University. He also holds one patent.

In 1972, Donohue earned his Ph.D., in Mechanical and Aerospace Engineering, at Oklahoma State University, where in 1968 he also received his Masters degree in the same field. A 1967 graduate of the University of Houston with BS in Mechanical Engineering, Donohue also studied Electrical Engineering at Georgia Institute of Technology from 1962-1964. During his undergraduate work at Georgia Tech and the University of Houston, he worked as a co-op student at NASA's Johnson Spacecraft Center, in Houston.

Dr. Donohue was a National Research Council post-doctoral Fellow, a National Defense Education Act Fellow and is a member of Tau Beta Pi, Pi Tau Sigma, Sigma XI and Omicron Delta Kappa honorary societies. Among the various awards and recognition he has received during his career was the Secretary of Defense Meritorious Civilian Service Medal in 1977 and the ATCA Clifford Burton Memorial Award in 1998. He has been listed in Who's Who in America since 1992, was named one of Federal Computer Week's top 100 Executives in 1997 and was also named one of the top 100 decision makers in Washington D. C. by the National Journal in 1997.

The 57-year old Donohue is an active pilot, with a single-engine private pilot's certificate. Other interests include the martial arts, motorcycling, sailing, backpacking, tennis and golf. He and his wife, a special education and English as a Second Language teacher, have four daughters.

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