Dr. Delores M. Etter
Deputy Under Secretary of Defense (Science and Technology)

As the Deputy Under Secretary of Defense (Science and Technology) since June 1998, Dr. Etter is responsible for Defense Science and Technology strategic planning, budget allocation, and program execution and evaluation. Additionally she ensures that the National Defense objectives are met by the $7 billion per year DoD Science and Technology Program. Dr. Etter coordinates NATO science and technology collaborative efforts and is the Principal U.S. representative to the NATO Research and Technology Board and to The Technical Cooperation Program between Australia, Canada, New Zealand, United Kingdom, and the U.S. She is also responsible for the DoD High Performance Computing Modernization Organization, the Defense Modeling and Simulation Program, and management oversight of the Software Engineering Institute (SEI) and of acquisition software.

From 1990-1998, Dr. Delores Etter was a Professor of Electrical and Computer Engineering at the University of Colorado, Boulder. Her research interests are in adaptive signal processing, speech and speaker recognition, digital filter design, and software engineering. She has also written a number of textbooks on computer languages. Her educational interests include the development of collaborative experiments in virtual teaming of students using the Internet and the development of distance learning technologies.

During 1979-1989, Dr. Etter was a faculty member in the Department of Electrical and Computer Engineering at the University of New Mexico (UNM). She served as Associate Chair of the Department from 1987-1989. During 1989, she also served as Associate Vice President for Academic Affairs at UNM. Dr. Etter spent two summers at Sandia National Laboratories working in the area of seismic signal processing. During the 1983-1984 academic year she was a National Science Foundation Visiting Professor in the Electrical Engineering Department at Stanford University.

Dr. Etter is a Fellow of the Institute of Electrical and Electronic Engineers (IEEE), the American Association for the Advancement of Science (AAAS), and the American Society for Engineering Education (ASEE). She served as President of the IEEE Acoustics, Speech, and Signal Processing Society from 1988-1989, and was Editor-in-Chief of the IEEE Transactions on Signal Processing from 1993-1995. Dr. Etter was a Distinguished Lecturer for the IEEE Signal Processing Society from 1996-1997. She was awarded the IEEE Harriet Rigas Award in 1998.

Dr. Etter was a member of the Defense Science Board (DSB) from 1995-1998, and she served as a panel member on several studies (Defense Information Warfare; Tactics and Technology for the 21st Century Warrior; Transnational Threats; Advanced Simulation/Modeling; Open Systems Architectures; Defense Technology Base of the 21st Century; and Transforming Logistics for the 21st Century). She was Co-Chair of a DSB study on Control of Military Excess/Surplus Materiel. Dr. Etter was a member of the Naval Research Advisory Committee (NRAC) from

1991-1997 and was NRAC Chair in 1995-1997. She was a panel member on several NRAC studies (Open System Architectures, Defense Conversion, Littoral Warfare, Reduced Ship Manning, Technology for Logistics for Small Units); she also served as Vice-Chair on the Short Take-Off Vertical Landing (STOVL) Strike Aircraft Study and as Chair of the Modeling and Simulation Study. In addition, she was Co-Chair of a Department of the Navy Science and Technology Study. She organized and chaired a session on Modeling, Simulation, and Automation for the 1995 Submarine Technology Symposium. In 1998 she received the Distinguished Public Service Award from the Department of the Navy.

Dr. Etter served on numerous other committees including the National Research Council committee on the Live Fire Survivability of the F-22 aircraft; Air Force Studies Board on Tactical Communications, Technology for Special Operations and Space Technology; and the Ballistic Missile Defense Advisory Committee. As a recent member of the Federal Aviation Administration (FAA) Research, Development, and Engineering Advisory Committee, Dr. Etter chaired the Security Subcommittee which was charged by Congress to evaluate the FAA's research program relative to developing short term and long term responses to potential terrorist threats.

She attended Oklahoma State University and the University of Texas at Arlington, and received B.S. and M.S. degrees in mathematics in 1970 and 1972 from Wright State University in Dayton, Ohio. She received her Ph.D. in electrical engineering from the University of New Mexico in 1979.