

Mr. Doug Rahikka has been with the U.S. National Security Agency for the past 25 years in a variety of research and management positions. He is currently a Technical Director in the Wireless and Voice Systems Security Research workcenter. He received his BSEE degree from Rutgers University in 1976, his MSEE from Johns Hopkins University in 1984, and his MS in Computer Science from Johns Hopkins University in 1986. He designed the modem used in the almost half million government secure STU-III phones, developed a variety of wireless modems and channel simulators, simulated cellular wireless Inter-Working Functions for STU-III interoperability, and researched a variety of voice coders with error correction schemes optimized for wireless applications. He has presented 20 papers and chaired sessions at international conferences, taught classes at George Washington University, given invited lectures at universities from Australia to Sweden, and worked as an invited guest researcher at the Australian Department of Defence. He is currently the NSA's representative to the North American TIA TR45.AHAG standards committee for cellular security and is the United States representative to the NATO technical working group responsible for developing the secure voice architecture and NATO voice coding standard for the 21st Century. During 1998-2000 he was the Acting Chairman/Rapporteur of the United Nations ITU International Telecommunications Union ITU-T SG7/Q20, which is involved in 3G Third Generation IMT2000 wireless security.