Mr. Mundy has worked in communications, security and computer networking since the 1970's. His current position is Principal Networking Scientist at Parsons where he leads a group engineers and researchers whose primary focus is improving the security of Internet infrastructure technologies. Much of Mr. Mundy's early career was with the U.S. Department of Defense (DoD) where his responsibilities involved many aspects of design, engineering, security and operations of communications and computer networks.

Mr. Mundy was involved with the DoD's decision to use ARPAnet technology as the basis for DoD's operational data network. As the first large-scale operational use of technology that is now known as the Internet, Mr. Mundy was involved with creation and evolving of DNS, several routing protocols, remote network management as well as sponsoring the fledgling Internet Engineering Task Force (IETF). Mr. Mundy's last position in the DoD was as Chief Scientist for the U.S. DoD's Defense Data Network.

After leaving the U.S. DoD, Mr. Mundy took a position with Trusted Information Systems (TIS) as a senior research scientist where he lead and conducted research in the areas of Internet infrastructure security, network security, trusted operating systems and protocol development. The group currently led by Mr. Mundy was initially formed at TIS with the mission of improving the security of the Internet infrastructure. This group has been involved with purchases several times and is now part of Parsons. Mr. Mundy and his group have been involved with most aspects of DNSSEC from it's earliest days including writing the first implementation and providing IETF Working Group leadership. Mr. Mundy was also instrumental in creation and standardization of SNMPv3 as the Chair/CoChair of the IETF SNMPv3 Working Group as well as providing two implementations of the protocol. He has also conducted research in the areas of routing security and integration of computing and cryptographic technologies. In addition to participation in the IETF, Mr. Mundy has been a member of the ICANN Security and Stability Advisory Committee (SSAC) since its inception.