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BIOGRAPHY

Clifford Wilke

Mr. Wilke brings more than 30 years of strategic technical leadership experience. He has served in executive leadership positions at the Director, Assistant Administrator, CIO, CTO, VP and Principal levels for US Treasury, OCC, TSA, IBM, HP, United Health Group and Mobil Oil

He served as Chief Information Officer for United Health Group (\$242.0B), developing support technology solutions for health services, and leveraging proven expertise to help federal agencies tackle some of the biggest challenges in health care. His focus was to help modernize the U.S. health system and improve the health and well-being of Americans. He pioneered the use of strategic technology road mapping at UHG to move the organization forward and build stakeholder collaboration on major initiatives.

He was formerly the Chief Technology Officer at HP/ DXC (\$118.0B) for the Federal Business Segment. Prior to the HP/ DXC merger he was the Chief Technology Officer at HP for Emerging Technology. In that role he was one of the leaders of the Digital Context Aware, Wearables and Sensors Practice with more than 15 patents filed. In these roles he worked closely with leaders to develop and deploy technology-based opportunities leveraging new and emerging technologies.

He has served as a leader with the Global Business Services Unit of IBM Corporation (\$152.0B) and Director of Technology Solutions with G&B Solutions, building the Security Practice. In those roles he led the efforts to design and implement technology solutions to assist Chief Information Officers, Chief Technology Officers and key decision makers. He worked closely with leaders to develop and deploy technology-based opportunities leveraging new and emerging technologies. He has engaged and delivered over 50 projects ranging from security, designing international forensics laboratories that will capture and secure data prior to war criminal trials, networks to protect our country, emergency communications efforts and next generation information classified technology data solutions for government.

Mr. Wilke served as the Assistant Administrator and Chief Technology Officer at the Transportation Security Agency, US Department of Homeland Security. As Assistant Administrator and Chief Technology Officer, Mr. Wilke was responsible for the annual \$1.2B departmental budget to evaluate, test and deploy of security solutions to protect the nation's traveling public. He led agency technological efforts to research over 220 new technologies including the current checkpoint configuration. He testified and briefed Congress on numerous occasions regarding security strategy and security needs to keep the travelling public safe. He was the DHS representative to NASA's Propulsion Advisory Board that set the future strategy for the country's space endeavors

As Director of Bank Technology and Senior Advisor to the Comptroller at the Office of the Comptroller of the Currency, US Treasury, he was responsible for the formulation of policy and processes to supervise the technologies used by National Banks in the United States accounting for 56 percent of the nation's assets. The Bank Technology Division led the banking industry by issuing guidance on information technology topics including Infrastructure Threats, Operational Risk, Digital Signatures and more recently, Internet Banking and Security. He was responsible for developing the 10-year strategic plan for the use of technology that will meet supervisory objectives to ensure the safety and soundness of the National Banking System. In that role he evaluated emerging technologies that could be used to strengthen the examination process, served as a member of the National Risk Committee, PDD 63 Infrastructure Threats Committee and worked closely with CERT-CC and Carnegie Mellon University on cybersecurity issues.

Mr. Wilke joined the OCC, after 17 years in various senior management positions with Mobil Oil Corporation, and Mobil Oil Credit Corporation where he invented and led development of the industry's first prepaid and multi-application card products (The Mobil GO Card and Mobil MCI GO Card). In addition, he was responsible for two of the six teams associated with the initial development of the Mobil *SpeedPass* RFID Payment System. Mr. Wilke previously worked in critical positions in the Information Systems, Training, Exploration & Production and Retail Marketing Divisions at Mobil.

Mr. Wilke is finishing his doctorate in Science and Technology and has Masters Degrees from Boston University in Information Technology with an emphasis in Security, Criminal Justice and business degrees from the University of Missouri – St. Louis and is one of the co-authors of Smart Cards - Seizing Strategic Business Opportunities.

He has also served as an Program Chair in Cybersecurity, Assistant Professor, Instructor and Adjunct Professor in Information Technology, IT Security, Database Security and Computer Forensics for the Master's Degree Programs at Boston University, University of Maryland and Maryville University.

He has served on the boards and served as chair of the George Mason University Research Foundation, George Mason University School of Engineering, Smart Card Alliance, Smart Card Forum, Sigma Pi Educational Foundation, e-week Magazine, Harley-Davidson Owners Group, and Dakota State University – Information Assurance Center of Excellence.

- *Clifford Wilke*