

# ***Roadblocks in Developing New Security Professionals: Missing Foundations***

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**Abstract:** Mr. Tesch has over 30 years in the IT fields of software development, system administration and security management in both governmental and commercial organizations.

Mr. Tesch has been a member of the staff of the Office of the Secretary of Treasury where he developed access control systems for the buildings in Washington, D.C., developed long range IT plans for the Department of Treasury bureaus (ATF, Mint, Public Debt and IRS) and designed administrative cost accounting systems. Through his Washington D.C. consulting business he provided services to the Bureau of Indian Affairs, Secretary of Agriculture and the Office of Education on legislative financial initiatives. He also worked with Computer Science Corporation, EDS, US West, CDSI and MCI on financial and security related projects.

Mr. Tesch works closely with the United Nations where he holds the member status in IFIPS 11.9 group, Digital Forensics. He is also the Chief Information Security Officer (CISO) for the Colorado Springs campus of Colorado Technical University as well as the Director of the Center for Computer Security and Digital Forensics Studies.

Mr. Tesch's areas of research are; secure border gateway routing (BGP), secure Domain Name System (DNSSEC) and international digital forensics. He possesses a B.S. in Information Systems Management from the University of Maryland, an M.S. in Computer Science and an MSM in Project Management, both from Colorado Technical University and is currently a candidate for his Doctorate in Computer Science (Security) at Colorado State University.

Mr. Tesch also holds several industry certifications: MCSA, MCSE, CISSP, CompTIA Security+ and EC-Council CEH.