Why Testing under Expected Operational Scenarios is Not Sufficient

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Dr. Jeffrey Voas has published more than 150 journal and conference papers in the areas of software testability, software reliability, debugging, safety, fault-tolerance, design, computer security and career management. Jeff is widely recognized as a pioneer in both applying practical solutions for measuring software testability and inventing novel applications for software fault injection methods. His book, Software Assessment: Reliability, Safety, Testability (Wiley, 1995), is often used as a text in advanced software engineering courses. Jeff and Dr. Gary McGraw co-authored Software Fault Injection: Inoculating Programs Against Errors (Wiley, 1998) and Jeff’s soon-to-be-released book, Software Certificates and Warranties: Ensuring Quality, Reliability and Interoperability (Wiley, 2001) should be in stores soon.

Jeff is an adjunct professor of computer science at West Virginia University and is on the Board of Governors of the Center for National Software Studies, a Washington, DC-based think tank on national software policy. He is on the editorial board of Software Quality Professional, Software Quality Journal, IEEE’s IT Pro (also writing a bi-monthly column on career management), and is associate editor-in-chief of IEEE Software (contributing a bi-monthly column on software quality).

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Jeff holds a B.S.E. in Computer Engineering from Tulane University and an M.S. and Ph.D. in Computer Science from The College of William and Mary. When he is done being a computer scientist, Jeff plans to become a famous antique collector.