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Effective methods for software and systems integration

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Abstract

Effective software and systems integration methods provide an understanding and importance of critical factors such as planning, systems design, requirements, software design, configuration management, integration, testing, subcontractors, and quality. The Military and Aerospace Defense that design, build, and test software work products effectively, provide the framework of disciplines during software design/development life-cycles. These methods support the building of software baselines inside integration environments to prepare for delivery of effective software and systems to customers.

Opportunities to work in the technology field of software provided me the perspective and understanding of day to day engineering integration and test activities. It is critical that integration schedules are addressed and coordinated daily with software teams and outside organizations. The software design/development life-cycle must be completed and configured before baselines are released for test, integration, and functional checkouts.

Effective software and systems integration deliver quality work products to ensure a commitment to planned schedules that will benefit current and future software industries and defense programs.

Biography

Boyd L. Summers is currently working as a Software Engineer – Quality for The Boeing Company in Seattle, Washington. With 30 years of experience in Software Engineering and a leader of multiple software development teams, he continues to solve complex technical challenges to ensure that system and software engineering and integration test problems are identified, addressed, resolved, audited, and compliant. He is current author of two published software technology books titled; “Software Engineering Reviews and Audits” and “Effective Methods for Software and Systems Integration”.