

3rd International Summit on **GMP, GCP & Quality Control** September 25-26, 2014 Valencia Convention Centre, Spain

Effective methods for software and systems integration for software companies and institutions

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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 Software Companies and Institutions that design, build, and test software work products effectively, provide the framework of disciplines during 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 development life-cycle must be completed and configured before baselines are released for test, integration, and functional checkouts. Effective methods for software and systems integration deliver quality work products to ensure a commitment to planned schedules that will benefit current and future software companies and institutions. In order to develop, operate, and maintain software and systems integration capabilities inside work product facilities, there are major disciplines required in supporting the entire software development life-cycle (i.e., planning, systems, requirements, design, builds, installations, integration, subcontractors, quality, and delivery) and do need to be completely understood. The critical understanding and the start of the right disciplines of these methods will empower and achieve effective, flexible, and quality results in numerous software and systems integration environments.

Effective: Become effective by the implementation of achievable schedules, sound processes, and working solutions for software and systems integration.

Methods: Provide effective methods to ensure processes and software tools improve productivity to prepare for the challenges ahead that impact integration environments.

Software: Software design, code & unit test, plans, and test procedures integrated with applied systems tell us that the software developed for use is done right. "Peer Reviews" is the KEY discipline

Systems: Accomplish an effort to allocate software design and engineering practices for systems to be defined and documented and ready for the combination of software and systems integration.

Integration: The compass to combine software, systems, firmware, and hardware to work together as one.

There are any effective methods for software and systems integration, but the number one method is "Quality First" and the other methods come in second!

Biography

Boyd L Summers has completed his Bachelor of Science (BS), Business Administration at Weber State University, USA. Areas of emphasis: Information Systems, Production and Operations Management, Quantitative Analysis and Methods, Human Resources, Economics, Business Management and Statistical Analysis and Computer Science. He is currently working as a Software Engineer - Quality for The Boeing Company and a Software Technology Consultant for BL Summers Consulting, LLC., located in Seattle, Washington. With 30 years of experience in Software Engineering and a leader of multiple software development teams, Boyd continues to solve complex technical challenges to ensure that system and software engineering problems are addressed, resolved and compliant. Author of the two software technology books titled; "Software Engineering Reviews and Audits." and "Effective Methods for Software and Systems Integration. Provide Software Articles to Software Engineering Journals and magazines. Topics include: System Design, Software Requirements, Software Design, Software Test and Evaluation, Configuration Management, Quality Assurance, Process and Product evaluations. Applies Processes in Agile, Lean and Six-Sigma including a Software Technology Speaker at conferences and member of the American Society Quality (ASQ).

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