



TenP – Ten Principles for Successful Space Programs

Short Course

Testimonials

NASA Marshall Space Flight Center

“Excellent course. Great summary for all engineering disciplines on how to be successful when working space projects.”

“Very effective. Instructor, Tom Sarafin, was excellent with also sharing his experiences.”

“One of the best classes I have taken. All engineers, project managers, engineering management, chief engineers (CE), and quality would benefit from this class to assist in looking at right practices in conducting programs.”

“Enjoyed the outside perspective on how to deal with overall engineering processes. Also enjoyed the different real life examples/stories.”

“Excellent course – very educational. Highly recommended for engineers and managers involved in the design and development of aerospace systems.”

“Great course!!”

“This course has been very useful in communicating the importance of product ownership throughout the life cycle of the product.”

“After this course, I am more aware that ‘ownership’ needs to shift between customers and contractors depending on where you are in the hardware development phase.”

“This was a very thought provoking course.”

“A great, focused overview that challenges a status quo.”

“This course does a good job of relaying that no process is going to work unless the people implementing it take pride/ownership in making it work.”

“Good overview of standard tests that provide confidence that a spacecraft meets requirements and will perform as intended.”

“Course notes are very good. Keeper!”

“Helped me in looking at the bigger picture of systems interaction versus the view from a specific discipline.”

(Most interesting or useful) “Emphasis on sound engineering practices.”

“Good course!”

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“This course would be helpful anytime, but was especially timely with my current responsibility to serve as technical liaison on SLI cryo-tanks.”

“This course is mature and well organized. Notes are excellent.”

NASA Wallops Flight Facility (commenting on an earlier version with a different title)

“The course created an environment for much needed program discussion.”

“Written by someone who is very experienced in the aerospace industry. Very good.”

“Teaches ways to eliminate risk to start with by implementing good practices.”

“Excellent presentation skills. Knowledge of space systems very good.”

“I have been involved in many training seminars, these instructors held my attention.”

“Instructors were able to elaborate greatly by incorporating personal experiences.”

“Great presentation of how the culture of a space program should be developed.”

“Knowledge of material was excellent. Great style, too.”

“Third day—risk assessment—what we wanted—presentation of mathematical basis was excellent.”

Scitor (commenting on an earlier version with a different title)

“Superb practical knowledge to remind even ‘old dogs’ that there are ways to bring all this together. There is great value in thinking about all these issues together.”

“My sincere hope is that the fundamental principles here can take hold again to move us forward.”

“The requirements exercise was eye-opening.”

“The discussion on writing requirements was timely and practical.”

“The quality of presentations was excellent.”

“I always enjoy a class taught by individuals who have the tales and lessons learned to supplement the PPT slides.”

“Excellent course.”

Most interesting or useful:

- “10 principles, quality system concepts, effective teams, systems engineering.”
- “The discussion on ‘commercial’ and what it means, what the implications are.”
- “Responsibility and ownership.”

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- “Class discussion stimulated by presentation, real world examples, and presentation on system engineering principles.”
- “Sharing war stories.”
- “Possibility of reducing cost and improving quality simultaneously.”

Other organizations: (commenting on an earlier version with a different title)

- “This was the most relevant course/instructor I’ve had here. The practical experience made the examples ‘hit home’ harder.”
- “Overall philosophy is right on!”
- “Excellent. We need more of these courses. Require management to hear this.”
- “Well done! You handled the discussions well.”
- “The disciplined insight into what I do is very helpful in recapturing the reason why I’m in this business.”