INCOSE Chicagoland Chapter Fall 2018 Seminar

Writing Good Requirements

SEMINAR OUTLINE

You will learn:

- The role requirements have in the overall Systems Engineering of products
- To write requirements based on industry best practices as defined in the INCOSE Guide for Writing Requirements and apply various techniques to avoid writing bad requirements
- To quickly identify and fix bad requirements
- To use rationale to clarify each requirement so that it is understood just one way and you have a history of why the requirement exists for purposes of change impact assessments, maintenance and verification
- To use attributes such as verification method, allocation, and traceability to improve your requirement set
- To write different types of functional and non-functional requirements
- To verify and validate your requirements as they are written to avoid preparing and submitting a bad requirement specification for review
- What is involved in making the baseline discussion for your requirements set.

Systems Engineering

- What is a system? System of Interest? Enabling Systems?
- Levels
- Systems Engineering
- Why Requirements?

Writing Good Requirements

- Why text-based requirements?
- What is a Requirement?
- Characteristics of well-formed requirement statements
- Characteristics of well-formed sets of requirements
- Documenting Requirements
- Categories of Requirements
- Writing Interface Requirements vs defining interfaces
- Documenting Requirement Attributes
- Baselining Requirements – Requirement Verification & Validation
- Managing Change

Seminar starts at $125
Many discounts available

Materials, lunch, and refreshments are included in the registration fee.
Attendees will earn 7 PDUs for the seminar; certificates will be provided.

Your Instructor

Mr. Iliff has over 35 years' experience on developmental efforts ranging in size from a few thousand to billions of dollars. Both a seasoned Program Manager and expert Systems Engineer, he has a solid record of disruptive innovation in aerospace, medical, commercial and consumer markets.

Mr. Iliff has significantly contributed to both PM and SE practice capabilities. Thousands of people have attended his classes, thousands more have heard his ideas on development during keynote / featured speaker presentations.

He is a charter member of the International Council on Systems Engineering (INCOSE) and currently serves as the INCOSE representative on an alliance between INCOSE, PMI, and MIT. In February of 2017 that alliance published "Integrating Program Management and Systems Engineering: Methods, Tools and Organizational Systems for Improving Performance".

What is INCOSE?

The International Council on Systems Engineering (INCOSE) is a not-for-profit membership organization founded to develop and disseminate the interdisciplinary principles and practices that enable the realization of successful systems. INCOSE's Mission is to share, promote and advance the best of systems engineering from across the globe for the benefit of humanity and the planet.

www.incose.org