

7th Annual INCOSE Great Lakes Regional Conference

Leadership Through Systems Engineering

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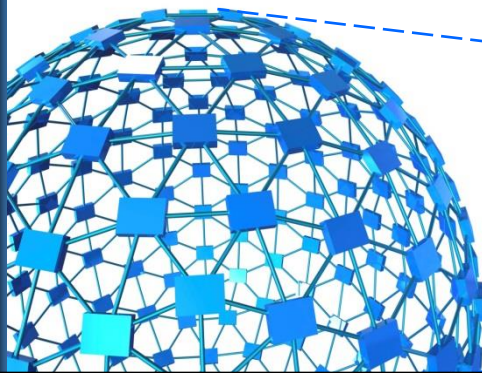
Raymond Jorgensen, *Use Cases and Scenarios: Defining Systems from the User Perspective*

Objective: To encourage analysis of your customer needs through use cases and scenarios, revealing the problem space through a model-based systems engineering approach to expose the real requirements for your system.

Summary: Uses cases & scenarios are an effective means of analyzing your customer's need. Explore how an operational concept based on use cases & scenarios can be used to focus on the user's perspective of a potential system, with subsequent improvements in the completeness and understanding of functional requirements. Examine uses of SysML Use Case Diagrams and Activity Diagrams as a means of expressing the operational usage of a system. Consider alternate courses and exception cases, which reveal critical questions to explore and answer before the system is designed. For complex, unprecedented systems, use cases and scenarios are a vital means of understanding and exploring the problem space before settling on your system solution.

Author:

Abstract



GLRC 2013: *Leadership Through Systems Engineering*

