



Management of Complex Systems: Insights From CSIS/MIT Workshops

Complex Project Management Knowledge Sharing Forum

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Key Issues/Questions

- **Complex vs. Complicated**
- **Can the existing systems engineering processes/tools handle the requested level of complexity?**
 - **Are we always at the edge? Is today different?**
 - **Can today's problems be "deconstructed"?**
- **Definition of complexity...what makes it complex**
 - **Number of actors/connections...the n problem**
 - **Nonlinear behavior**
 - **Politics included within the boundaries of program management vs an externality**
 - **Complexity as governance issue vs. technical**



Key Issues/Questions

- **Models**
 - **Group Integrator Models**
 - **National team (MDA)**
 - **Single-point Integrator Models**
 - **LSI – FCS, Deepwater, etc.**
 - **Single service program office**
 - **Biological Models**
 - **The Internet**
 - **Standards-based models**