

Flexibility

Learning Objectives

1. Introduction and Definition
2. Taxonomy of flexibility
3. Real Options & Other Financial Tools

Required Reading

- 1) Flexibility framing document (10010 Flexibility_frame.doc)
- 2) ESD Definitions (10020 esd_def.pdf)
- 3) Flexibility review by Nilchiani (10030 Flexibility_review_def.doc)
- 4) GINA definition of flexibility (10040 GinaCPF.pdf)
- 5) Saleh definition of flexibility (10050 defn_flexibility.pdf)
- 6) Case for inclusion of flexibility (10060 Case_flexibility.pdf)

Homework

1. Compare and contrast the different definitions of flexibility. In particular, the ESD definition is much more related to the ideas of a network. Now apply these ideas to the conceptual definition of a hundred year old space system. What aspects would have to be designed into it so that it operates and can communicate after a century?