

A “Primer on Model-based System Engineering” (Long & Scott)

Link to book http://catsr.ite.gmu.edu/SYST490/mbseprimer2ndedition_full.pdf

Please provide short, concise answers

WHAT IS SYSTEM ENGINEERING? (page 11)

- 10) According to Long & Scott, there are 3 “problem classes.” Name, provide a short description, and give an example of each “problem class”
- 11) What is a “system boundary”? Why is it important?
- 12) According to Long & Scott, what is the 1st task of the system engineer? (page 21)
- 13) Draw a diagram of the “system engineering effort” and describe each sub-process in concise definition. Be sure to distinguish between the “what” and the “how” (page 22)
- 14) Long & Scott identify 4 domains in which system engineering work is conducted. Identify and describe the four domains.