

GSAW 2007 Tutorial B:

Ground Systems for Satellite Operations Primer and Acquisition Considerations

Length: Full day

Overview:

Tutorial Detailed Objectives

Section 1

- Increased awareness and understanding of:
 - o Major functional areas within Ground Segments
 - o Interrelationship between major functions
 - o Modes of operations

Section 2

- Become familiar with a systems engineering view of ground systems
- Gain exposure to common ground system elements and subsystems
 - o The relationship between different ground system elements and subsystems
 - o The relationship between the functionality and the elements and subsystems

Section 3

- Develop an acquirer's view of ground systems throughout the life cycle with focus on the special characteristics of ground systems for requirements, design, and verification phases
- Gain an appreciation for the wide variety of issues that must be addressed during the placement and design of ground systems
- Be able to name the considerations in addressing each of the key issues and the describe interplay among them where appropriate
- Become exposed to the types of tools that are available within Aerospace and the industry that allow the designer to address specific technical trades and the interplay among two or more design factors

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