Breakout Session Objectives and Overview

Architecture Evaluation: Criteria, Methods, Tools

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Session Objectives

- Identify most significant criteria for satellite ground system evaluation
- Identify most significant method and tool needs
- Identify promising approaches to meet significant needs
  - General approaches
  - Specific recommended actions and agents
Session Agenda

1:30-2:00  Breakout Session Presentations (approximate titles)
   1:30  Gamble, Interoperability Conflict Analysis
   1:40  Hager, Object-Oriented Ground System Management
   1:50  Richardson, Static and Dynamic Integrity Analysis Tools

2:00-2:40  All, Identify Most Significant Criteria

2:30-3:15  All, Explore Needs and Approaches

3:15-3:45  Break

3:45-5:15  All, Identify Most Promising Approaches
Candidate Architecture Evaluation Criteria

- For development, for life cycle; for product line; for low risk

- For software, for computer resources, for system (ground, space)

- Cost
- Schedule
- Performance
- Adaptability
- Interoperability
- Usability
- Dependability
- Reliability
- Availability
- Security
- Safety
- Accuracy