Working Group Outbrief

Ground System Architectures Workshop

Session 11D
Cost Estimation IV for Next-Generation Ground Systems

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Session Goals

- Inform participants of the motivation, value, content, and status of COSYSMO 3.0 cost estimating model
- Gather feedback on the model
- Try to sensitize participants to the need to contribute data to the model
• Jim Alstad
• Dr Barry Boehm
• Assisted by Marilee Wheaton
Session focused on COSYSMO 3.0 cost estimating model for systems engineering

- New cost parameters seemed to be helpful to more accurate cost estimation
- Depth of published supporting research was informative
- Model is open, allowing people to “see the gears turn” and comment on its internals
  - Improves the state of the art across the field
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Conclusions

• Participants gained confidence in COSYSMO 3.0 Expert-Based Model
  – General consensus was that directions of model were sound
• Participants identified minor flaws in supporting materials
• Participants made suggestions for future enhancements
• Participants pointed out that each cost driver individually had a significant effect on the cost estimate
• Participants were sympathetic to providing actual data (projects) to calibrate model