



INCOSE MBSE Initiative

Methodology and Metrics Activity Breakout Session

Outbrief

31 January 2011



Breakout Summary

- Number of participants: ~25-30 (23 on sign-up sheet)
- Reviewed breakout agenda
- Shared standard breakout questions (next slides)
- Outstanding talk and video demo from G. Oswalds on “Using Simulation and Visualization to support MBSE”
 - Application of Harmony-SE tying in Visualization
- Broke into open discussion surrounding standard questions and general feedback on topics of Methodology and Metrics



Standard Breakout Questions (All Teams)

1. What metrics should we use to measure goodness?
2. What kind of data is out there?
3. Who can contribute to webinars?
4. Who can contribute to papers for 2012?
5. What can you contribute to advancing the MBSE roadmap?
6. What standards are relevant to your particular area?

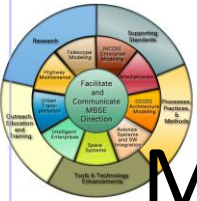


Backup



Standard Breakout Questions (First Cut Answers)

1. What metrics should we use to measure goodness?
 - a. Activity level of participation in WG and contribution of members
 - b. Wide dissemination of Body of Knowledge (BoK) in particular methodologies
 - c. Methodologies in practice well documented for full scale of applicability
2. What kind of data is out there?
 1. Metrics: INCOSE Measurement WG
3. Who can contribute to webinars?
4. Who can contribute to papers for 2012?
5. What can you contribute to advancing the MBSE roadmap?
6. What standards are relevant to your particular area?
 1. Metrics: ISO/IEC 27004, CMU CMMI, IEEE 1024 (software)
 2. Methodology: OMG Unified Process, OMG Software Process Engineering Metamodel (SPEM)



Methodologies Outbrief (IW09) (1/2)

- Most recent participant recommendations comes from MBSE Workshop at INCOSE IW09 held in San Francisco
 - MBSE workshop at INCOSE IW10 did not formally break out Activity Lead and Challenge Teams
- Participant Feedback (morning session)
 - Create public Wiki site to capture
 - Best practices & experiences using methodology(ies)
 - Discussion forum for methodology Q&A
 - Forum for methodologist to post latest updates and links to resources
 - Include comparison chart/table of features for each methodology to identify strengths or “sweet spot” for lifecycle SE functions (e.g., reqts, architecture, design, risk)
 - Provide tailoring guide to map to standard project phases (what is coverage to lifecycle phase (needs evaluation)
 - Evaluate methodologies to determine of certain methods have strengths that should be incorporated into local process models

