

## **AMSC Workshop on Conceptual Modeling, October 26 2007**

### **Workshop Outcomes**

M. Petty, UAH, 10-30-2007

#### **Findings and notable assertions**

1. Conceptual modeling is currently the “single most important topic in M&S technology”
2. Large simulation development programs using conceptual modeling would produce benefits for their programs, as well as the M&S community, through more public interchange regarding their conceptual modeling standards and products

#### **Relevant issues for further investigation**

1. Definitions, and forms of definitions, of conceptual modeling
2. Role of conceptual modeling as a “bridge” between user and developer
3. Degree of syntactic and notational formality appropriate for conceptual models
4. Standards, guidelines, and documented case studies relating to developing and using conceptual models
5. Relationship of knowledge acquisition and knowledge engineering to conceptual modeling
6. Relationship of DoDAF to conceptual modeling
7. Status of conceptual modeling as an activity, with its own task in the development life cycle, or as a product, produced and used in other tasks

#### **Actions resulting from the workshop**

1. Post workshop briefings and outcomes on-line (UAH CMSA to do)
2. Prepare summary and synthesis of workshop briefings and outcomes for publication, perhaps as a paper in Simulation Interoperability Workshop Conceptual Modeling forum
3. Post charter for NATO Task Group on Conceptual Modeling

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