



Modeling the Enterprise: Case Studies and Approaches

28 June 2007

8:00 – 10:00 AM

(Session 10, Track 3)



Panelists



- Regina M Griego, Sandia National Laboratories
- Steve Crane, Parker Aerospace
- Ken Lloyd, Watt Systems Technologies, Inc.
- Rick Dove, Stevens Institute of Technologies



Panel Topics



- Topics:
 - Eliciting and capturing the enterprise understanding
 - Methods and tools for representing the enterprise
 - Case study examples and results
- Description:
 - This panel will present work that has been done modeling actual enterprises. They will discuss the approach taken to elicit, capture, and model an enterprise. The discussion will include rationale, lessons learned, tools, and techniques that helped them build a successful model. Results of their modeling will be presented including how the enterprise derived value from the model as well as the exercise of modeling the enterprise.



Panel Agenda



- Each presenter will provide a 10 - 12 minute discussion of work done modeling enterprise(s)
- Moderator will clarify the methods, tools, techniques used and lessons learned after each presentation
- After the presentations the attendees can ask questions or provide experience on their use of methods, tools, and techniques
- **GOAL: Learn from each other**



Panel Take-aways (1)



- Need to get vocabulary straight
 - Process modeling helped in the end to drive a shared vision
- Need to model the process of process modeling
 - Clear purpose/scope – what decisions will it support
 - Concept map of what enterprise model is and how it supports mission (**Excellent concept map shared**)
 - Start small
- Can not take a top-down reductionist approach to the modeling
 - Enterprise modeling is very, very iterative
- Very important to embed process enabling elements in the model itself
- There are different roles in the modeling (SME, elicitation, modeler)



Panel Take-aways (2)



- Modeling tools/languages like SysML do not have a method (a couple of methods were shared)
 - Need to start with some method, even if it isn't perfect
- There is a difference between what the documents say is your process and what people are really doing
 - Need to analyze what people are doing
- There is a cultural curve in the modeling
 - The culture catches up
- The model of the enterprise may need to be developed in one tool and deployed in other tools – but the model is where the enterprise is architected
- Modeling the enterprise is a way to teach Systems Engineering

We Had Excellent Sharing and LEARNED from Each Other!

Structured Process Model Context

