SAE, DOD & Industry SDO Benchmarking Overview

Benchmarking

- ➢ **Team determined four areas to benchmark**
  - ▪ **IP (copyrights, patents, trademarks**
  - ▪ **Revision Process**
  - ▪ **Project Management & Tracking**
  - ▪ **Web site**
- ➢ **Developed set of questions for each area**
- ➢ **Selected Benchmarking partners**
  - ▪ **AIA, ASME, ASTM, AWS, IEEE, SAE, DoD, Boeing**

SAE Aerospace
An SAE International Group

Benchmarking

➢ **Participants were give two templates**

- ▪ **Questions**
- ▪ **Presentation template**

➢ **Benchmarking held June 6-7 of 2004, Washington, D.C.**

➢ **Informal roundtable allowed for questions, templates provided structure**

➢ **All participants were given copies of everything**

Benchmarking

- ➢ **Team assembled all responses into a large matrix for comparison**

- ➢ **Reviewed data for Best in Class attributes**

- ➢ **Shared results with Benchmarking participants for validation**

- ➢ **Performed a "gap analysis" between SAE and Best in Class Attributes**

- ➢ **Identified a set of recommendations**

Benchmarking

IP – End User

> ➢ **Review Guidelines to ensure IP policy is clear and easy to understand and find**

> ➢ **Ensure IP policy is easily found on web**

> ➢ **Recommend staff investigate the business case of requiring users to "click" acceptance on a copyright page and the use of web crawlers, etc. to check compliance with copyrights**

IP – Participants/Development

- ➢ **Ensure policy is clear and easy to find in Operating Guidelines and on Web**

- ➢ **All new members should get a copy**

- ➢ **Copyright/patent/trademark policy reviewed at meetings**

- ➢ **Develop a set of FAQs related to IP**

Benchmarking

IP – Compliance

➢ **All new committee participants accessing forum for the first time must "click" acknowledgement**

➢ **Acknowledgement covers development, distribution, derivatives**

➢ **Policy needs to cover consequences for non-compliance**

IP - Training

➢ **Training should be on-line**

➢ **Chairmen training should include IP policy**

Benchmarking

Revision Process

- ➢ **Develop/implement a web process/template for requesting changes for use by general public**

- ➢ **Review committee workflow for potential process improvements**

- ➢ **Determine if business case exists for development of a red-line version product like ASTM**

- ➢ **No consistency or best practice in defining different categories of active and inactive documents. Recommend Aerospace Council define and then OEMs work to drive these back through all aerospace standards developers**

Project Management & Tracking

➢ **Explore use of missed due-dates to identify issues or bottlenecks**

➢ **Take in-depth review of the SAE WIPs form against other standards developers' project forms for potential improvements**

➢ **Work to develop meaningful metrics to allow PM&T**

➢ **Ensure PM&T processes allows for communication between all participants (AC-Chairs-participants) and encourages process improvements**

Recommendations

Web site

- ➢ **Recommend SAE establish a separate web site for standards – format, layout, functionality, content**

- ➢ **TSB establish a web working group – AC has a sub-group to define requirements for aerospace**

    - ▪ **Product delivery**

    - ▪ **Development services**

    - ▪ **General information**

- ➢ **Establish metrics to provide meaningful data for process & product improvements**

Benchmarking

Summary & Observations

- ➢ **First time an industry had brought together standards organizations for benchmarking**

- ➢ **Participants came away with a better feel for aerospace's needs (a rising tide raises all boats)**

- ➢ **All data & recommendations available on Aerospace Council web site**

- ➢ **Recommendations will be integrated back into our strategic plan**

- ➢ **Aerospace council will have the opportunity to prioritize for implementation**