

FAA Perspectives on AMTAS Research & Educational Developments

- **Emphasis must be on safety & certification**
 - Experts from industry & regulatory bodies must be active in AMTAS research & educational developments such that deliverables have relevance and utility
 - Need an assessment of whether that is happening in active programs during today's breakout sessions
- **Most FAA research projects are expected to have a near-term focus** (*results that can be used in the field within 1 to 2 years*)
 - Longer-term projects must retain an emphasis on safety & certification - *not developing technology for industry*

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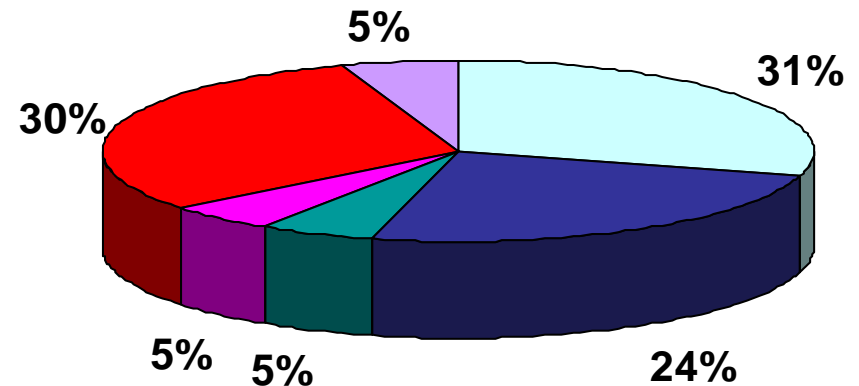
- **FAA is primarily interested in studying existing service problems but will also evaluate new technology being used in product certification**
 - Primary goal: study “real-world” service problems, with an emphasis on the factors needed to maintain safety
 - Secondary goals: evaluate new technology applied in product certification (e.g., composite fuselage damage tolerance)
 - Supporting technologies such as test methods, process controls and analysis methods can also be studied to ID limits & establish protocol for use (*pre-requisites: safety importance and industry is close to using them for certification & airworthiness assessments*)
 - Deliverables should ultimately lead to guidance, policy and standard training materials (*see next 2 charts*)

Joint Efforts by Industry & Regulatory Experts to Standardize a Course on Critical Composite Maintenance & Repair Issues

- **2004:** Initial workshops to define framework (incl. course objectives on the key areas of awareness for engineers, technicians & inspectors)
- **2005:** 11 course modules drafted for workshop review
- **2006:** Update modules and develop course standards with SAE CACRC
- **2007:** Coordinated FAA/industry release of course standards



Total Costs = \$930K (est. thru FY06)



- Industry Match (JAMS COE R&D)
- FAA JAMS COE R&D (\$)
- FAA Development Manpower (\$)
- Industry/EASA Review Manpower (\$)
- Industry/EASA Workshop Manpower & Travel (\$)
- FAA Workshop Manpower+Contracts+Travel (\$)

Training Development Costs: \$598K

11/04 & 9/05 Workshop Costs: \$332K

Relationship Between CMT Reports

FAA Technical Document

- Unofficial FAA document for informational purposes only
- Written by FAA (L. Cheng & L. Ilcewicz)
- *Not a formal reference that is archived*



FAA JAMS Technical Report

- FAA document of JAMS R&D used for educational purposes to support course development
- Written by Edmonds CC. (C. Seaton)
- *Formal reference that is archived*



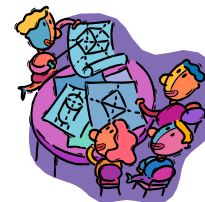
SAE CACRC AIR Report

- *International standard to describe essential course content*
- Drafted & approved by CACRC
- Formal reference that is archived



Industry Interface, CMH-17 Mtgs. and FAA Workshops

- *Basis for all reports & documents*
- Expert inputs and review of draft reports & course content
- Testimonials, graphics, videos & other teaching aids
- Edmonds CC. Beta courses



Import
Key
Content