

# JAMS

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## Center of Excellence Status



# Goals for the Advanced Materials Center



- Address the engineering and science issues associated with safety regulation and product certification of advanced materials
- Ensure equivalent or higher levels of safety relative to existing technology
- Establish engineering standards and unique skills training for advanced materials
- Develop an advanced materials, forms and processes “knowledge base”

# JAMS FAA Objectives for Center

- Define and prioritize activities by directly linking to applications relevant to specific regulation and certification needs.
- Support FAA guidance & policy development and solve safety problems by bridging experiences from the field.
- Interface with international organizations, which are developing engineering standards
- Coordinate the research efforts of academia, industry and government agencies
- Transfer the technology beyond normal means through the training of engineers and technicians
- Extend partnerships beyond research initiatives with programs that address technology transfer, continuous education and training of the engineering workforce



- Closeout process currently in progress
- Reviews of center operations and accomplishments
- Extension of completion date to May 31, 2008 for the convenience of the Grants Office
- Allows the center to get away from the government fiscal year closeout hassles

- We have consistently funded between 20 and 25 projects through the center
- Each year has seen over \$2,000,000 in FAA funds applied except under FY07 Continuing Resolution
- Major projects have supported Composites Damage Tolerance, Bonded Structures Integrity, Maintenance and Repair, and other FAA interests



- Reviewed key programs three times with Nick Sabatini, FAA Associate Administrator for Safety (AVS-1, reports directly to the FAA Administrator)
- AVS point of contact gave us a rating of B+
- Next review we must give him no choice but to give us an A



- Administratively few changes will occur
  - Clarification of Cooperative Agreement wording
  - Minor operational changes
- Big change will be integration of former AACE institutions active in advanced materials research into the center
  - Florida International University
  - University of Utah

- Great job for Phase I
- Phase II will be more challenging
  - The honeymoon is over; we are now a functioning FAA Safety Research Organization
  - Focus on delivery of research product in short term(12-18 months), and mid term(24-60 months)
  - Minimal focus on long term (>60 months)
  - All activities will focus on safety issues and certification processes to assure those safety issues are addressed in civil aviation applications



# Questions?

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