



Joint Advanced Materials and Structures Center of Excellence Technical Meeting

Andy Kasowski
Director of Structural Integrity

Discussion Points

- **Experience**
- **Current Structural Philosophy**
- **Research Focus Areas**
- **Closing Comments**

Experience

- **32 Years @ Cessna in Structures/Fatigue and Damage Tolerance/Structural Integrity Management**
- **Aircraft Structural Integrity Program (ASIP) Manager on Cessna Citation X and Citation XL Development/Certification Programs**
- **FAA Structures/DADT DER (1988 – 2002)**
- **Current Chairperson of the General Structures Harmonization Working Group for the Aviation Rulemaking Advisory Committee (ARAC)**

Current Structural Philosophy

- **Technology Application vs. Innovation**
- **Metal Bonding**
- **Composites**
- **Technology must earn it's way onto the airframe**

Proposed Research Focus

- **Characterization and Implementation of Structural Joining Technologies**
- **Process Control for Structural Polymeric Applications in Metal Bonding and Composites**
- **Testing of Composite/Metal Hybrid Structures**
- **Bond Quality Inspection**
- **Composite Aircraft Structures Maintenance**

Closing Comments

- **Safety Focus**
- **Customer Value**
- **Robust Materials and Processes**