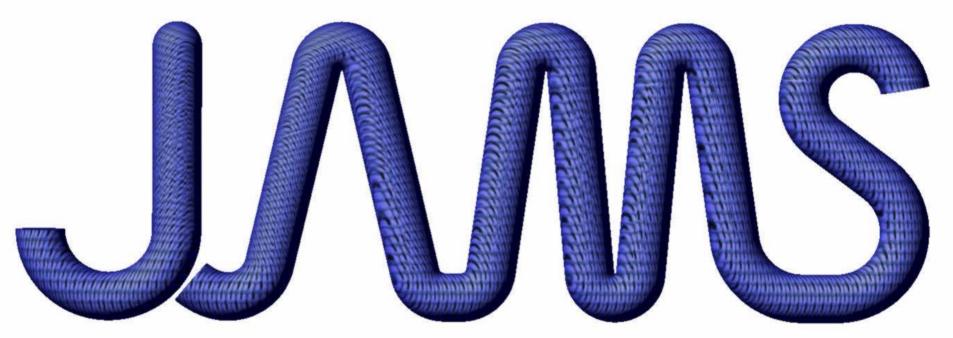
FAA/EASA/Industry Composite Damage Tolerance and Maintenance Workshop

By: Curtis Davies Date: 09 May 2007



Federal Aviation Administration

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FAA/EASA/Industry Composite Damage Tolerance & Maintenance Workshop

Holiday Inn Amsterdam, NL 09 May 2007



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Federal Aviation Administration

Ongoing Composite Safety & Certification Initiatives*

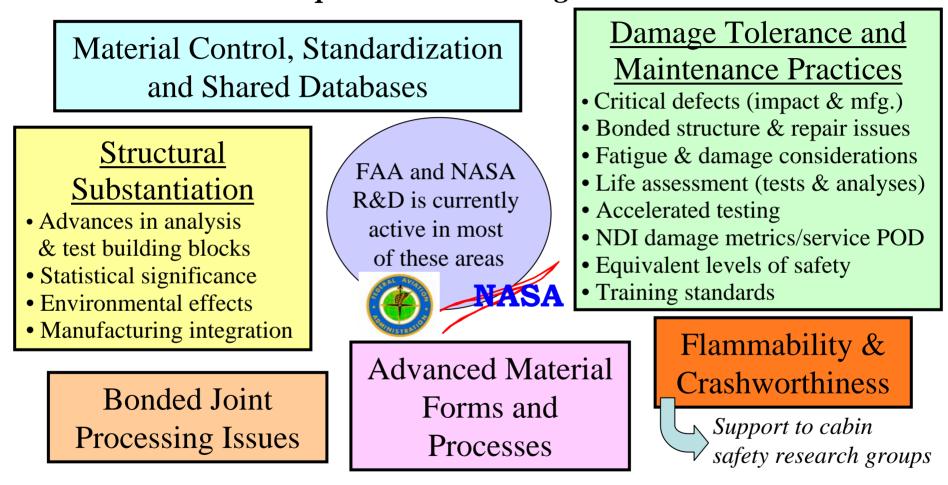
Objectives

- 1) Work with industry, other government agencies, and academia to ensure safe and efficient deployment of composite technologies used in existing and future aircraft
- Update policies, advisory circulars, training, and detailed background used to support standardized composite practices

* Efforts started in 1999 to address issues associated with increasing composite applications



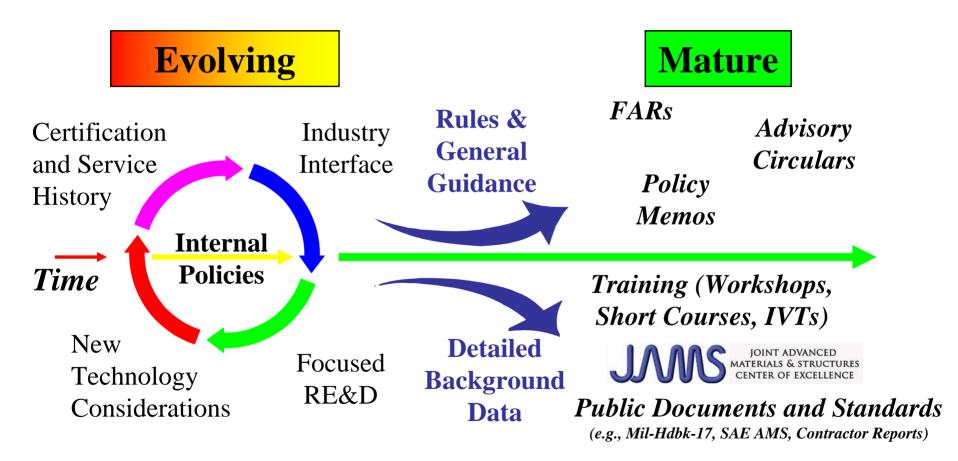
Technical Thrust Areas Advancements depend on close integration between areas



Significant progress, which has relevance to all aircraft products, has been gained to date



FAA Approach to Composite Safety and Certification Initiatives





FAA Composite Team Members

Represented Group	Team Member Name	FAA Organization Number & Routing	
FAA	Curtis Davies	AAR-450 (FAA Technical Center)	
Tech. Center	TBD	AAR-450 (FAA Technical Center)	
International	John Masters	AEU-100 (Brussels Aircraft Certification Staff)	
Directorates	Lester Cheng	ACE-111 (Small Airplane Directorate)	
	Bob Stegeman	ACE-111 (Small Airplane Directorate)	Those attending the workshop
	Charles Harrison	ASW-110 (Rotorcraft Directorate)	are highlighted in blue italics.
	Ian Won	ANM-115 (Transport Airplane Directorate)	Also attending the workshop
	Jay Turnberg	ANE-110 (Engine & Propeller Directorate)	from the FAA is:
DC Certification	James Kabbara	AIR-120 (Aircraft Standards Division)	ř
Elight Standarda	Rusty Jones	AFS-309 (Aircraft Maintenance Division)	Scott Fung ANM-120S (Seattle ACO)
Flight Standards	Gary Goodwin	ANM-200 (Seattle AEG)	
	Roger Caldwell	ANM-100D (Denver ACO)	
	Mark Freisthler	ANM-120S (Seattle ACO)	CSTA and STS Advisored
	Ed Garino	ACE-117A (Atlanta ACO)	<u>CSTA and STS Advisors:</u> Al Broz, Robert Eastin,
ACOs,	Fred Guerin	ANM-120L (Los Angeles ACO)	John Howford, Terry Khaled,
MIDOs,	Angie Kostopoulos	ACE-116C (Chicago ACO)	Steve Soltis, Dave Walen,
& CMOs	David Ostrodka	ACE-118W (Wichita ACO)	Chip Queitzsch
	Richard Noll	ANE-150 (Boston ACO)	
	John Harding	ANM-108B (Seattle CMO)	
	David Swartz	ACE-115N (Anchorage ACO)	
CS&TA	Larry Ilcewicz	ANM-115N (CS&TA, Composites)	



Important Teammates

NASA has been a leader for composite applications

- Significant research support since 1970/1980s
- AA587, A300-600 accident investigation
- NCAMP support to material standardization



• Partnerships with industry have been essential, e.g., CMH-17, SAE P-17, CACRC, ASTM, SAMPE, AGATE, SATS, RITA, SAS/IAB/AACE



- DOD and DARPA research
- EASA and other foreign research/standardization



Discussion on Subject Areas

- Friday Morning
- We will divide into four groups to allow better discussion on each subject area
- All participants are assigned a room.
- You have a colored strip on your badge this identifies you as member of a particular group and which room
- These discussions will be summarized when the workshop reconvenes.



Breakout Session Designation

Damage Tolerance

Damage in Sandwich Construction



Repair Design and Process

Field Inspection and Repair QC



Logistics

- Lunches will be served in the Restaurant
- Restrooms are down the hall from the room, directly across from the restaurant.
- All agenda times including break end times will be strictly enforced!!!



Welcome and Thank You for Your Participation

