

Agenda for 3rd FAA/EASA/Industry Composite Damage Tolerance and Maintenance Workshop			
(Presentation Titles, Speakers and Technical Leaders for Breakout Sessions)			
Thursday, June 4th, 2009		Friday, June 5th, 2009	
	Opening Session (Introductions, Regulatory Initiatives)		Session 3: Damage Tolerance and Repair Substantiation, <i>Cont.</i>
9:00-9:15	"Welcome/Introduction" - Takashi Saito* (JAL), Ray Kaiser (CACRC Chairman), Jun Yamanaka (JAL) and Robert Lamantea (Intec)	9:00-9:30	"Bondline Analysis and Bonded Repairs" - Stephane Mahdi (Airbus)
9:15-10:00	"Composite Damage Tolerance and Maintenance Initiatives" - Larry Ilcewicz (Federal Aviation Administration)	9:30-10:00	"Perspectives on the Complexity of Structural Substantiation, Including Non-standard Damaging Events and Repair" - Mike Borgman, MD Borgman Consulting
10:00-10:30	"EASA Perspectives on Safe Composite Damage Tolerance & Maintenance Practices" - Simon Waite (European Aviation Safety Agency)		Session 4: Regulatory Guidance, CACRC Standards & Related Training
10:30-10:50	"JCAB Perspectives on Safe Composite Aircraft Structure; Parts 1 and 2 ⁺ " - Atsushi Kanda and Takao Okada (Japan Aerospace Exploration Agency)	10:00-10:30	"Updates to AC 20-107B Composite Aircraft Structure, FAA and EASA Progress with Official Release" - Lester Cheng & Larry Ilcewicz (FAA) and Simon Waite (EASA)
10:50-11:10	Break	10:30-11:00	"United Perspectives on Composite Maintenance Challenges and Regulatory Issues" - Eric Chesmar, United Airlines
	Session 1: Applications & Service Experiences	11:00-11:15	Break
11:10-11:30	"Japan Airlines Perspective on Applications & Field Experiences for Composite Airframe Structures" - Jun Yamanaka (Japan Airlines)		Session 4: Regulatory Guidance, CACRC Standards & Related Training, <i>Cont.</i>
11:30-12:15	"Substantiation of Damage Growth, Residual Strength and Inspection Procedures for Transport Rudder Sandwich Structure" - Ralf Hilgers (Airbus)	11:15-12:00	"OEM Perspectives on Near & Long-Term Needs in Composite Repair Standardization/CACRC and Regulatory Guidance" - Arne Lewis (Boeing) and Francois Musseaux (Airbus)
12:15-12:45	"Lufthansa Perspective on Applications & Field Experiences for Composite Airframe Structures" - Christian Sauer (Lufthansa Technik)	12:00-12:45	"Definition and Added Regulatory Oversight of 'Re-Manufacture' for Flight Critical Bonded Structure" - Todd Herrington Delta Airlines
12:45-13:30	"Design Substantiation for New Applications of Composite Airframe Structures" - David Polland (Boeing)	12:45-13:15	"FAA Composite Training Initiatives: Including Damage Tolerance and Maintenance" - Charles Seaton (Edmonds CC)
13:30-14:30	Lunch (LMI Aerospace-D3, Karin Anderson & WSU Website Archives for Past Workshops)	13:15-14:15	Lunch (Sponsor acknowledgements and discussion of Future FAA Workshop Topics)
	Session 2: Damage Threats and Inspection Strategies		Session 5: Technical Breakout Sessions
14:30-15:15	"Airbus Flight Control Sandwich Structures and Maintenance Program" - Roland Thevenan (Airbus Industries)		<u>Four Separate Working Meetings for the Subjects Listed Below</u> - Applications & Service Experiences (Lester Cheng, Charlie Seaton & Simon Waite) - Damage Threats and Inspection Strategies (John Halpin, Hyonny Kim and Curt Davies) - Damage Tolerance & Repair Substantiation (Mike Borgman, Waruna Seneviratne & Allen Rauschendorfer) - Regulatory Guidance, CACRC Standards & Related Training (Ray Kaiser, Arne Lewis & Larry Ilcewicz)
15:15-15:45	"Field Experience - Lightning Strike Damage of ANA B767" - Nobuyuki Nakayama (All Nippon Airlines)	14:15-16:15	
15:45-16:30	"Managing Damage Threats for Composite Structures: Unifying Durability and Damage Tolerance Perspective" - John Halpin (JCH Consultants) and Hyonny Kim (UCSD)		
16:30-16:45	Break	16:15-16:30	Break
	Session 3: Damage Tolerance and Repair Substantiation		Session 6: Breakout Team Summaries, Recap/Actions/Closure
16:45-17:15	"Bolted Repair in Composite Structure" - Jeffrey Berner (Boeing)		1) Applications & Service Experiences (Charlie Seaton) 2) Damage Threats and Inspection Strategies (John Halpin) 3) Damage Tolerance & Repair Substantiation (Mike Borgman) 4) Regulatory Guidance, CACRC Standards & Related Training (Ray Kaiser)
17:15-18:00	"Research on Structural Test & Analysis Protocol: Progress and Plans" - Waruna Seneviratne (WSU) and John Tomblin (WSU)	16:30-17:30	
18:00-18:30	"NASA Perspectives on Composite Airframe Structural Substantiation: Past Support and Future Developments" - Rick Young, NASA Langley Research Center	17:30-18:00	"Recap/Actions/Closure" - Brian Coxon (Intec) and Larry Ilcewicz (FAA)

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+ JCAB Perspectives on Safe Composite Aircraft Structure

"Part 1: Introduction of JCAB Certification Process for New Composite Materials" (Kanda)

"Part 2: Example for Application of Composite Material to Aircraft Structure" (Okada)