

Detailed Agenda for FAA Materials and Processes Workshop

A Module of A Level II Structural Engineering Safety Awareness Course

Tuesday, September 14th, 2010		Wednesday, September 15th, 2010		Thursday, September 16th, 2010	
Time Room	Day 1: Industry & Regulatory Agency Perspectives	Time Room	Day 2 : Material and Process Qualification	Time Room	Day 3 : Shared Databases and Our Responsibilities
8:00-8:15 Auditorium	"Welcome: National Center for Aviation Training" - John Tomblin (NIAR); Sedgwick County Representative TBD	8:00-9:00 Auditorium	"Composite Materials Test Methods " - Dan Adams (Wyoming Test Fixtures)	8:00-8:30 Auditorium	"Roles and responsibilities of OEMs, materials suppliers, part suppliers, and the FAA" - John Adelmann (Consultant) and Yeow Ng (NCAMP)
8:15-8:45 Auditorium	"FAA Composite Initiatives: Perspectives on Material & Process Control" - Larry Ilcewicz (FAA)	9:00-10:00 Auditorium	"Process Specifications for Composite Manufacturing" - Dan Ruffner (Boeing)	8:30-10:00 Auditorium	"Use of publicly available shared databases – NCAMP/CMH-17/P-17 initiatives" - Yeow Ng (NCAMP)
8:45-9:05 Auditorium	"Perspectives on composite material & process control, Major small airplane OEM" - Engin Sabuncu (Cessna)	10:00-10:15	Break	10:00-10:15	Break
9:05-9:25 Auditorium	"Perspectives on composite material & process control, Major rotorcraft OEM" - Mark Chris (Bell Helicopter)	10:15-10:35 Auditorium	"Real Life" Data Analysis and Problems" - Steve Ward (SW Composites)	10:15-11:00 Composites	"Hands-on Lab Session: Drill and install clips on clipboards, and pot and install fasteners in wall plaque"
9:25-9:45 Auditorium	"Perspectives on composite material & process control, Major transport OEM" - Robert Schaffnit (Boeing)	10:35-11:35 Auditorium	"Information Contained in Material Specifications" - Will McCarvill (Consultant)	10:15-11:00	Those not participating in the lab session: please complete the survey form to prepare for discussion.
9:45-10:15 Auditorium	"Perspectives on composite material & process control, DoD" - John Halpin (retired Air Force)	11:35-12:00 Composites	"Hands-on Lab Session: Debag and inspect composite clipboard and composite wall plaque" - Bret Brummer (NIAR) and Yeow Ng (NCAMP)	11:00-11:45 Auditorium	Input from Participants, Survey, Open Discussions - Charlie Seaton (NIAR) and Yeow Ng (NCAMP)
10:15-10:30	Break	11:35-12:00	Free time for those not participating in the lab	11:45-12:00 Auditorium	Recap/Actions/Closure - Larry Ilcewicz (FAA) and Curtis Davies (FAA)
10:30-11:30 Auditorium	"Similarities and Differences between Metallic and Composite materials" "Tier 1 Supplier Composite Allowables Challenges" - Mark Freisthler (FAA) & Mark Ofsthun (Spirit AeroSystems)	12:00-1:00 Commons	Lunch (NIAR Sponsored)	12:00	Adjourn
11:30 -12:00 Auditorium	"Emerging Technologies and Special Processes" - Larry Gintert (Concurrent Technologies Corp.)	1:00-1:15 Auditorium	"Lab Session: Review autoclave cure cycle records" - Bret Brummer (NIAR) and Yeow Ng (NCAMP)		
12:00-1:00 Commons	Lunch (NIAR Sponsored)	1:15-1:55 Auditorium	"Statistics for Allowable Generation" - Beth Clarkson (NCAMP)		
1:00-1:20** Composites	"Instructions for laboratory session" - Bret Brummer (NIAR) and Yeow Ng (NCAMP)	1:55-2:15 Auditorium	"Testing for Equivalency" - Beth Clarkson (NCAMP)		
1:20-3:00** Composites	"Hands-on Lab Session: Fabrication of composite clipboard and composite wall plaque" - Bret Brummer (NIAR) and Yeow Ng (NCAMP)	2:15-2:35 Auditorium	"Links Between Material Allowables and Specification Limits" - John Adelmann (Consultant) and Yeow Ng (NCAMP)		
1:00-3:00** S121	"Discussion Session: Perspectives on course development" - Moderator: Mark Freisthler (FAA)	2:35-3:00 Auditorium	"Definition of A- and B-basis Values and An In-depth Look at CMH-17 Statistical Analysis Techniques" - Yeow Ng (NCAMP)		
3:00-3:15	Break (optional)	3:00-3:15	Break		
3:15-3:45 Auditorium	"Stabilizing Materials and Processes" - Steve Ward (SW Composites)	3:15-5:00** Auditorium	"Lab Videos/Demos: Autoclave curing, machining, ultrasonic NDT, wedge crack test, tension & compression tests, blunt impact on sandwich panel"		
3:45-5:00 Auditorium	"Qualification Test Programs" - Steve Ward (SW Composites)	3:15-6:00** S121	"Discussion Session: Perspectives on course development" - Moderator: Mark Freisthler (FAA)		

** Attendees not participating in the lab sessions may attend concurrent open discussion sessions on selected technical topics; details to be announced at the workshop