



# NASA National Center for Advanced Materials

## PERFORMANCE BULLETIN

at the National Institute for  
Aviation Research



August 20, 2007

N07-02

### NCAMP Update

The process of writing, reviewing and editing test plans and material and process specifications is wrapping up and deadlines are being set to start receiving panels for qualification and equivalency testing.

#### May 2007

- Completed qualification testing on ACG G30-500 193 gsm 3K plain weave fabric 36% RC. Final report will be submitted after equivalency portion is completed.
- Started qualification testing on ACG 6781 S-2 glass 35% RC. There are 10 companies fabricating panels for this equivalency and one company fabricating qualification panels. Equivalency testing should start in the next few months once all the panels have been received.

#### June 2007

- Test plans, material and process specifications for Hexcel 8552, Cytec 5250-5 and Cytec 5215 material

systems have been submitted to the FAA. The Hexcel 8552 material and process specification has been approved by the FAA.

- Hexcel 8552 prepreg has been shipped to the 13 companies participating in equivalency panel fabrication. One company is providing qualification panels. The panels are expected to start arriving at NCAMP in late September.

### **Companies fabricating test panels**

1. Gulfstream Aerospace
2. Adam Aircraft Industries
3. Texas Composite, Inc.
4. ATK Space Systems
5. Boeing Helicopters
6. Scaled Composites
7. Goodrich Aerostructures
8. Bombardier Aerospace
9. AAR Composites
10. Cirrus Design Corporation
11. Raytheon Aircraft Company
12. Spirit AeroSystems, Inc.
13. Cessna Aircraft Company
14. Bell Helicopter Textron, Inc.
15. Northrop Grumman Corporation
16. Israel Aircraft Industries, Ltd.
17. General Atomics Aeronautical Systems, Inc.
18. Lockheed Martin Aero
19. Comtek Advanced Structures
20. Quickstep Technologies
21. Cytec Engineered Materials

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<http://www.niar.wichita.edu/coe/ncamp.asp>