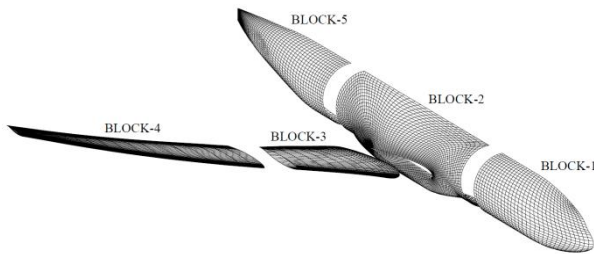


CFD Drag Prediction Workshop

Focus

The focus of this workshop will be to continue studies with the NASA Common Research Model (CRM) performed in DPW 4. Two series of computations are included:

1. **Common Grid Study:** A multi-block, O-O grid topology has been generated for the wing-body configuration. Each cell edge has been divided in two up to eight times successively to develop a grid-refinement sequence. The resulting cloud of points will be reformatted into overset and tet-based unstructured grids. Within this series of eight grids, there will be a suitable grid refinement sequence for most types of grids. Additional computations are requested with user-developed grids.
2. **Buffet Study:** Alpha sweeps will be conducted at finely-spaced intervals through the zone where wing separation is expected to begin. Details of the exact CL-alpha combination for separation onset and patterns are to be reported.



CFD Drag Prediction Workshop

Organizing Committee

**John Vassberg, Ben Rider,
Mori Mani**
The Boeing Company

Ed Tinoco
Retired

Olaf Brodersen, Simone Crippa
DLR

Mitsuhiro Murayama
JAXA

Dimitri Mavriplis
University of Wyoming

Rich Wahls, Joe Morrison
NASA Langley Research Center

David Levy, Kelly Laflin
Cessna Aircraft Company

Dates

Check the DPW website for additional information and updates.

Finalize Test Cases	3Q, 2011
Release Standard Grids	4Q, 2011
Notification of Intent Due	10 Feb 2012
Acceptance Notification	24 Feb 2012

Registration will be handled through normal AIAA Procedures

Data Submittal	27 April 2012
Workshop	23-24 June 2012

Workshop presentations will not be official AIAA papers; however, several participants will be invited to support a special session on drag prediction to be held during the AIAA Aerospace Sciences Meeting, January 2013.

5th AIAA CFD Drag Prediction Workshop

Sponsored by the
Applied Aerodynamics TC

2-Day Workshop

23-24 June 2012

Preceding

30th APA Conference
New Orleans, LA



For more information
and results from past workshops,
visit the DPW website at:

[http://aaac.larc.nasa.gov/tsab/cfdlarc/
aiaa-dpw/](http://aaac.larc.nasa.gov/tsab/cfdlarc/aiaa-dpw/)

or send email to:

aiaadpw@gmail.com

