

2008 Summary of Research Reports

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Project: Autopilot Inclusion in the Modular Store Separation Simulation Environment (MoSSSE)

Sponsor: NAVAIR

Statement of Work:

This is a continuation of work begun under the New 6DoF Project in 2007 and has transitioned to MoSSSE. The goals for this project are to continue development of a general 6 DOF analysis environment which combines CFD and 6 DOF analysis tools to provide better and quicker 6 DOF analysis capability. This will provide a framework in which CFD and Separations engineers are able to work closely and get 6 DOF analysis done quickly. This will enable CFD and Separations engineers to understand the other discipline better through the common data structures, data formats, and analysis tools.

Project: IHAAA Project: Development of a New 6DoF Environment for Store Separation (N6E)

Sponsor: Eglin AFB

Statement of Work:

Currently, the collection of analysis and simulation tools for store separation engineering are inadequate. The goals for this project are to develop a general 6 DOF analysis environment which combines CFD and 6 DOF analysis tools to provide better and quicker 6 DOF analysis capability. This will provide a framework in which CFD and Separations engineers are able to work closely and get 6 DOF analysis done quickly. This will enable CFD and Separations engineers to understand the other discipline better through the common data structures, data formats, and analysis tools.