

259. FLIGHT SOFTWARE VALIDATION AND VERIFICATION FOR SAFETY

PROJECT AT-A-GLANCE

- **AST RDAB POC:** Demidovich, Nick
- **AST RESEARCH AREA:** 2.2 Vehicle Safety - Technologies
- **PRINCIPAL INVESTIGATOR:** Hanrahan, Pat & Alonso, Juan
- **EXECUTION ENTITY:** Stanford
- **PERIOD OF PERFORMANCE:** Jan 3, 2011 - Jan 6, 2012
- **STATUS:** Ongoing

PROJECT DESCRIPTION

PURPOSE: Software Independent Validation and Verification is regarded as one of the major issues today and in the future for the timely and cost-effective development and certification of launch and re-entry systems.

OBJECTIVES: (1) Formulate a coherent plan of research to impact flight software V&V for commercial space transportation systems. (2) Produce a research roadmap of activities that may lead to a full project pursued under the umbrella of the COE.

GOALS:

STATEMENT OF WORK

Development of a white paper for research challenges in flight software V&V for commercial space transportation systems.