193. Role of the COE-CST in Encourage, Facilitate and Promote

PROJECT AT-A-GLANCE

• AST RDAB POC: Davidian, Ken

• AST RESEARCH AREA: 4.1 Industry Viability - Commercial

• PRINCIPAL INVESTIGATOR: Hubbard, Scott

• EXECUTION ENTITY: Stanford, CU

• PERIOD OF PERFORMANCE: Jan 3, 2011 - Jan 6, 2012

• **STATUS:** Ongoing

PROJECT DESCRIPTION

PURPOSE: The current environment favors such initiatives conceptually, but the business case for them is difficult to close. Unless they have a specific interest in the hosted technology, commercial launch users are reluctant to give up even a few kilograms of launch mass at prices supportable by research institutions and small commercial startups.

OBJECTIVES: The objectives of this project are to provide training in and to construct, analyze and optimize a business model that fosters a favorable environment for flying many research and operational payloads either as rideshares deployed from commercial launches or as hosted payloads aboard commercial spacecraft.

GOALS: Near-Term: Develop a COE CST commercial space transportation research road-map by conducting workshops.

Far-Term: Implement the strategy for commercial space transportation EFP using analysis tools and techniques at the intersection of engineering and business.

STATEMENT OF WORK

1. Conduct two workshops attended by policy experts, students, faculty, government, and industry participants in developing and evaluating scenarios that maximize the role of commercial space transportation in the broad aerospace community.