

National Aeronautics and
Space Administration
Headquarters
Washington, DC 20546-0001



January 17, 2006

Reply to Attn of: **Exploration Systems Mission Directorate**

To: Potential Participants or Benefactors of the Personal Air Vehicle Challenge

From: Brant Sponberg, Centennial Challenges Manager, Exploration Systems Mission Directorate, NASA Headquarters

Subject: The Comparative Aircraft Flight Efficiency Foundation and the Personal Air Vehicle Challenge

NASA's Centennial Challenges program executed a Nonreimbursable Space Act Agreement with the Comparative Aircraft Flight Efficiency (CAFE) Foundation on September 30, 2005 to conduct a competition aimed at pushing the state-of-the-art in general aviation, the Personal Air Vehicle (PAV) Challenge. CAFE was selected after a review of their mission, history, personnel, experience, and facilities.

CAFE's technical authority and leadership in the general aviation community is evidenced by the number of aircraft performance reports and general research articles they have published in the Experimental Aircraft Association's magazine "Sport Aviation".

Under the Space Act Agreement, NASA has agreed to provide a total cash purse of \$250,000 for the PAV Challenge competition in 2007 and intends to provide total purses of similar value in future years. In exchange, CAFE has agreed to administer and conduct the PAV Challenge at no cost to NASA. This means that CAFE is solely responsible for providing or raising the competition's operating funds.

One goal of the PAV Challenge is to create a dynamic atmosphere of technological creativity. It is our objective to attract forward-thinking participants and benefactors from industry, academia, and the private sector, who are all interested in advancing the safety, usability, efficiency, and application of general aviation.

Very respectfully,

A handwritten signature in black ink that reads "Brant Sponberg".

Brant Sponberg