

RECORD OF ENVIRONMENTAL CONSIDERATION

1. Description and location of proposed action:

Propulsion Airframe Aeroacoustics (PAA) technical area in NASA's acoustics research is focused on improving the understanding and quantification of PAA effects, prediction tool development, and noise reduction technology development that are related to the aeroacoustic effects of propulsion airframe integration. PAA noise reduction technology aims to reduce net radiated noise to the ground by reducing a noise source, or an interaction of noise sources that can be directly attributed to effects from propulsion airframe interaction.

This specific project is to a contractor to design an experiment for Open Rotor PAA on state-of-the-art (SOA) tube-and-wing such as a Boeing 737 or 777 and an unconventional aircraft such as a Blended Wing Body (BWB), fabricate testing materials, perform wind tunnel tests varying numerous variables, and analyzing the wind tunnel results including developing models for many of the variables.

The project manager for this is Robert Bush. (757) 864-7561.

2. The duration of proposed action is to occur from May 2010 to October 2010.

3. The cost of proposed action is \$4.8 million.

4. It has been determined that the above action qualifies for Categorical Exclusion #3 under 14 CFR 1216.305 (d), which describes NASA's Criteria for determining if an environmental assessment under NEPA is needed and has no special circumstances which would suggest a need for an Environmental Assessment. Specifically 14 CFR 1216.305 (d) (3) provides for a Categorical Exclusion for Research and Development activities in aeronautics.

Determination: This action is categorically exempt from further environmental assessment based on the information provided in the project description. If there are changes to the location and scope or other aspects of the project, then this document may be invalidated and the action may be reassessed.


Project Manager

CONCUR
NONCONCUR

10/6/09
Date


Head, Environmental Management
Branch


CONCUR
NONCONCUR

10/6/09
Date