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**Aviation Environmental Design Tool**



## Aviation Environmental Design Tool (AEDT)

AEDT is a software system that models aircraft performance in space and time to estimate fuel consumption, emissions, noise, and air quality consequences. AEDT is a comprehensive tool that provides information to FAA stakeholders on each of these specific environmental impacts. AEDT facilitates environmental review activities required under NEPA by consolidating the modeling of these environmental impacts in a single tool.

AEDT is designed to model individual studies ranging in scope from a single flight at an airport to scenarios at the regional, national, and global levels. AEDT leverages geographic information system (GIS) and relational database technology to achieve this scalability and offers rich opportunities for exploring and presenting results. Versions of AEDT are actively used by the U.S. government for domestic aviation system planning as well as domestic and international aviation environmental policy analysis.

### AEDT Support Website

This website is provided by the FAA's Office of Environment and Energy as part of its Models - Aviation Environmental Tools Suite. This site is dedicated to helping you resolve issues that you may have when using the Aviation Environmental Design Tool or simply AEDT. The site is organized as follows:

- Product Information: describes the current release version (AEDT 3g) and lists system requirements and documentation.
- Pricing: describes AEDT pricing and steps to purchase AEDT.
- Outreach: lists the latest AEDT news and videos.
- FAQs: contains a list of frequently asked questions including known issues.
- Purchase AEDT: contains the link to Pay.gov form for purchasing AEDT.
- Downloads: lists the installer for the current AEDT release, including pre-requisites and optional tools.
- All Feedback: lists the support feedback submitted by AEDT users, including the current status.
- My AEDT: lists the support feedback submitted by you, and links for managing your account.
- Submit Feedback: contains a form for submitting incidents, questions and suggestions for improvement.

### Quick Links

- AEDT 3g Product Information
- How to Obtain AEDT - Pricing Schedule
- Purchase and Licensing FAQs

This site is maintained by the AEDT Development Team at the U.S. Department of Transportation's John A. Volpe National Transportation Systems Center.