



# Technology & Development Status Report

## Aviation Program

### FY 2001



Date Last Edited: 1-2-2002

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**PROJECT:** Wildland Fire Engine Design  
**Number:** 4E41P20  
**SPONSOR:** WO-F&AM

**CENTER:** SDTDC  
**PROGRAM LEADER:** Carl Bambarger  
**Project Leader:** Ralph Taylor

**Proposer:**

### **PROJECT OBJECTIVES**

This project is established to centralize wildland fire engine design expertise at SDTDC. It has been determined to be beneficial from both a functional and economical standpoint to standardize fire engine design.

The project supports the pursuit of alternate ways of providing technology transfer among Forest Service Regions, standardization of available fire engines, improving fire package performance and safety, while improving the acquisition process. Toward this end, the project will provide a type of "Consumer's Report" on available fire engines. The project will establish a common set of test criteria to which all engines examined will be subject. The results of the testing will be published along with all other fire engines within its class. This will provide a common point of reference for personnel involved with the purchase of engines, achieving the best performance per dollar. The process will help the fire engine industry to improve their designs to match the needs of the wildland fire fighter. Collateral improvements will be eventually realized as cooperators replace equipment with the redesigned fire engines from industry. The publication will provide key design considerations involved with fire engines together with the supporting rationale. The purpose of which is educate the field with the lessons learned through technology transfer.

The project will be administered through a steering committee comprised of the following Forest Service resources: Fleet Managers, Fire Engine Operators, and Line Officers. The committee will coordinate with [General Services Administration \(GSA\)](#), other federal and state agencies, vehicle manufacturers, system component manufacturers, national coordination groups (e.g., Engine Subcommittee of the [NWCG](#) FEWT, NFPA, etc.), and regional equipment committees.

**Changes to objectives:**

### **SIGNIFICANT ACCOMPLISHMENTS**

#### **Output:**

**Planned:** 3/1999 Publication of Wildland Fire Engine Guide

**Actual:** FY-2000 - Publication of the Wildland Engine Guide