Quarterly Status Report

Fire Program Analysis (FPA) Project
For Reporting Period: January 1, through March 31, 2007

Status, Key Tasks, and Milestones

> **Project Overview**
> Fire Program Analysis is a common interagency planning and budget process with a cost-effective trade-off analysis incorporating land and resource management objectives

Interagency Science Team (IST):
Continues to provide consultation support in design and development of the initial response, large fire and decision network modules that are the core of the FPA system prototype.

FPA Business Leads: Bonnie Wood has accepted the U.S.D.A Forest Service's Business Lead position for FPA. The Department of the Interior (DOI) Business Lead announcement closed on April 13, 2007.

Prototyping Efforts: In January, the FPA team conducted a prototype workshop in Tucson, Arizona. Seven Fire Planning Units (FPUs) were briefed on the status of the conceptual design of the "proof of concept" prototype. The workshop included breakout sessions on key design elements of the prototype.

"Proof of Concept" Prototype: Participating FPUs have been aggressively working with the FPA team to test individual model components and functions. The FPUs have been given scenarios to work through which test specific code, functions, or usability. Their results, including suggestions and critiques were shared with the IST and the FPA team who then evaluated the outcomes to validate the model.

Testing within key elements of the "proof of concept" model includes:
- Testing the containment algorithm in the *Initial Response Simulator* (IRS) to ensure it is implemented as specified by Fried and Fried, (FOR. SCI. 42:33, 267-281, 1996).
- Three *Large Fire* approaches to determine the "best fit" for the prototype.
- Continue to develop the decision support module's structure to integrate the IRS and large fire module results.
- Initial user interface designs.

Key Communication Events

- Ongoing collaboration with the IST and subject matter experts regarding development of the prototype.
- Monthly conference calls with FPA's Geographic Area leads to provide a forum for information exchange regarding the status of FPA.

- FPA newsletters and technical notes have been distributed and regular electronic list server items have been sent to over 700 subscribers.
- Workshop held in January to kick off the project prototype.
- Status briefings with the Wildland Fire Leadership Council and National Fire and Aviation Executive Board.

Project Earned Value Report

The project earned value report compares the actual cost and schedule to the planned cost and schedule. The table below shows the active tasks in the FPA project baseline through the end of the fiscal year. Actual costs represent invoiced amounts or actual expenditures for each milestone. Obligations against future contract work are not included in the actual costs.

The cost performance index (CPI) and schedule performance index (SPI) are 1.07 and 1.03, respectively. These reflect that the project is approximately 7% under budget and 3% ahead of schedule at this time.

The USDA-OCIO and OMB monitor both the CPI and SPI. A project is placed on the USDA-OCIO watch list if the CPI or SPI OMB "watch list" if the CPI or SPI indicate a deviation of more than 10%. Based on these metrics, the FPA project is within control of both cost and schedule.

FPA-2 Earned Value Report

				CPI =	1.07
AS OF	**4/3/2007**			SPI =	1.03

I.H.4 Actual Performance and Variance from OMB approved baseline (pending)

	OMB Approved Baseline				Actual				Earned Value	
	Schedule		Durati		Schedule					
Description	Start Date	End Date	Days	Planned Cost (Budget At Completion) BAC	Start Date	End Date	% Complete	Actual Cost	CPI	SPI
FY 2005				$ 4,895,451			100%	$ 4,895,451	1.00	1.00
FY 2006				$5,271,726			100%	$ 5,271,726	1.00	1.00
FY 2007										
FY07 Govt Program Management	10/1/2006	9/30/2007	260	$1,075,000	10/1/2006		50%	$ 346,725	1.55	1.00
FY07 SAIC CPIC and project support	10/1/2006	9/30/2007	260	$132,000	10/1/2006		47%	$ 25,073	2.47	1.13
FY07 IBM Prototype Development	10/1/2006	7/1/2007	200	$2,949,814	10/1/2006		67%	$ 1,365,960	1.45	1.26
FY07 IBM Development and Implementat	7/1/2007	9/30/2007	65	$1,462,853	7/1/2007		0%			
FY07 Teksystems Tech Writer	10/1/2006	9/30/2007	260	$75,000	10/1/2006		0%			
FY07 O&M (IBM Task 18)	10/1/2006	9/30/2007	260	$0	10/1/2006		0%			
FY07 HW/SW Maintenance	10/1/2006	9/30/2007	260	$420,000	10/1/2006		0%			
s.t FY 2007				$ 6,114,666			42%	$ 1,737,757	1.48	1.19
FY 2008				$7,415,880						
FY 2009				$3,490,000						
FY 2010				$3,165,000						
Total	1/1/2005	9/30/2010	2,098	$ 30,352,724			42%	$ 11,904,934	1.07	1.03