Fire Sat System

Mission Requirements:

-Mission Objective: detect and locate forests fires in the US and provide timely notification to users

System’s mission is to generate and communicate to end user information about forest fires.

-System determines the location of the fire

-System determines the area of the fire

-System determines the direction of fire

-System Communicates the information to the task forces on ground

-System Communicates the information to the moving ground vehicles

-System Communicates the information to the moving air vehicles

-System Collects data from the air vehicles

-System Transfers data in real time to task forces

Stakeholder Needs:

-Need to detect and locate forest fires (>4 hectares=40,000m2) throughout the US and provide information to the forest service within 24 hours.

-Total budget of 200M.

-The mission must be operational for 7 years.

Stakeholders

-U.S. Forest Services

-National Guard

-National Fire Fighting Agencies