

Sentinels of the Sky

Sikorsky Supports Airborne Law Enforcement Missions

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Since performing the world's first helicopter rescue in 1944, Sikorsky Aircraft Corp. helicopters have helped to save an estimated 2 million lives. Today's Sikorsky helicopters are fulfilling the vision of company founder Igor Sikorsky in more ways than he may ever have imagined as the helicopter takes on an increasingly significant role in the arena of law enforcement.

The BLACK HAWK helicopter leads the way in tactical operations. More than 3,000 S-70 and H-60 helicopter variants have accumulated more than 9 million flight hours worldwide, a testament to the reliability of this durable aircraft. BLACK HAWK helicopters serve in 27 governments and militaries around the world, providing state-of-the-art multi-mission support for air assault, border security, command and control, drug interdiction, search and rescue and medical evacuation.

The BLACK HAWK helicopter legacy continues with the UH-60M helicopter, which is expected to begin service with the Federal Bureau of Investigation in May 2009. The UH-60M helicopter will provide the agency's Critical Incident Response Team with advanced technologies and capabilities to safely and effectively execute the demanding law enforcement missions prosecuted by this select unit.

Customs and Border Protection has begun a modernization and expansion program that will convert its UH-60A aircraft to UH-60L models and expand the fleet size when new UH-60M helicopters enter service in 2010. This upgraded fleet will enhance the agency's capabilities to complete its portfolio of law enforcement missions, such as drug interdiction and immigration enforcement along the northern and southern borders of the U.S.

Dynamic and unique law enforcement and homeland security missions demand flexible and reliable solutions. The broad range of Sikorsky products are positioned to meet the ever-changing needs of the U.S. homeland security environment. From reconnaissance and monitoring to rapid response and armed support, Sikorsky has a product to fulfill the mission. Integration of technologies permits the highest level of detection, command and control. These aircraft platforms are used worldwide and assure agency interoperability and support.

The Sikorsky HH-60J JAY HAWK helicopter provides the U.S. Coast Guard with a rugged and reliable multi-role platform to perform missions including search and rescue, offshore law enforcement, drug interdiction, aids to navigation, and environmental protection. With a radius of action of 300 nautical miles and 35 minutes of search and rescue time, a crew of four can rescue up to six people.

The U.S. Coast Guard is in the process of upgrading its fleet of HH-60J helicopters to MH-60T aircraft to meet new homeland security requirements. The newly designated MH-60T helicopter will feature a new state-of-the-art cockpit, new search/weather radar and Electro-Optics/IR units, upgraded engines and airframe, and an Airborne Use of Force Package to provide more protection from small arms fire.

For the challenging requirements of airborne law enforcement and emergency

management, the S-76C++ helicopter delivers performance and reliability. Combined with modern technology enhancements, the S-76C++ helicopter includes powerful engines, weather radar, an automated flight control system and an array of optional equipment such as forward-looking infrared (FLIR) cameras to enhance the effectiveness of airborne law enforcement missions. Superior speed, range and payload distinguish the S-76C++ helicopter as a top performer with proven safety and support for maximum assurance and dispatch reliability, while remaining cost-effective to own and operate.

The latest design of the S-76 helicopter draws upon the improvements achieved by each of the company's military products and their many years of service to the U.S. Department of Defense, every branch of which currently operates a Sikorsky model that traces its design to these same roots. The modular search and rescue configuration, with rescue hoist and Tactical Mission Specialists insertion with FAST ROPE designs, provides airborne law enforcement operators the ability to meet threats with minimal exposure to potentially hostile ground personnel. A cargo hook, which supports weights up to 3,200 pounds, can be used in conjunction with a Bambi Bucket to drop more than 400 gallons of water in support of ground-based firefighting efforts.

The mission equipment options such as CCD, FLIR, Night Sun and VHS recording systems are state of the art and allow for active airborne surveillance and direct downlink (recorded or real time) to ground-based command centers. This ability enhances disaster relief and memorializes efforts. The S-76C++ helicopter provides the best combination of speed, payload capability and range for the Critical Care/EMS lifesaving missions. The multi-mission interior can be configured to carry two patients and four crewmembers in a stable platform that allows full-body access.

Developed in response to customer requirements, the next generation S-76D helicopter is designed to meet demanding standards for performance, safety and value. The S-76D helicopter builds on more than 30 years of operations and more than five million flight hours of safety and performance in legacy models of the S-76 helicopter. The aircraft will be equipped with all-composite, flaw-tolerant main and tail rotor blades, redundant systems for flight controls and advanced avionics featuring integrated large-format cockpit displays.

Through application of Health and Usage Monitoring System data, the S-76D helicopter will benefit from Sikorsky's advanced fleet monitoring and management services. And that's just the beginning. Safety is a key design element of the S-76D helicopter. The S-76D incorporates powerful Pratt & Whitney Canada 210S engines, and an optional Rotor Ice Protection System that will allow the aircraft to launch and fly into known icing conditions.

In addition, the S-76D helicopter delivers a 1,000-pound increase in useful load for hot-day takeoff performance as compared to the S-76C+ helicopter (in temperate offshore oil utility configuration), as well as increased range. Airborne law enforcement agencies can count on the S-76D helicopter to provide the best dispatch availability in class. Sikorsky Aircraft can configure the multi-mission aircraft to meet law enforcement, homeland security and EMS missions through the comprehensive completion capabilities at Sikorsky Global Helicopters, Sikorsky's newly rebranded commercial business.

Sikorsky Aircraft Corp., based in Stratford, Connecticut, is a world leader in helicopter design, manufacture and service and is dedicated to the mission statement that, "We pioneer flight solutions that bring people home, everywhere ... every time."

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