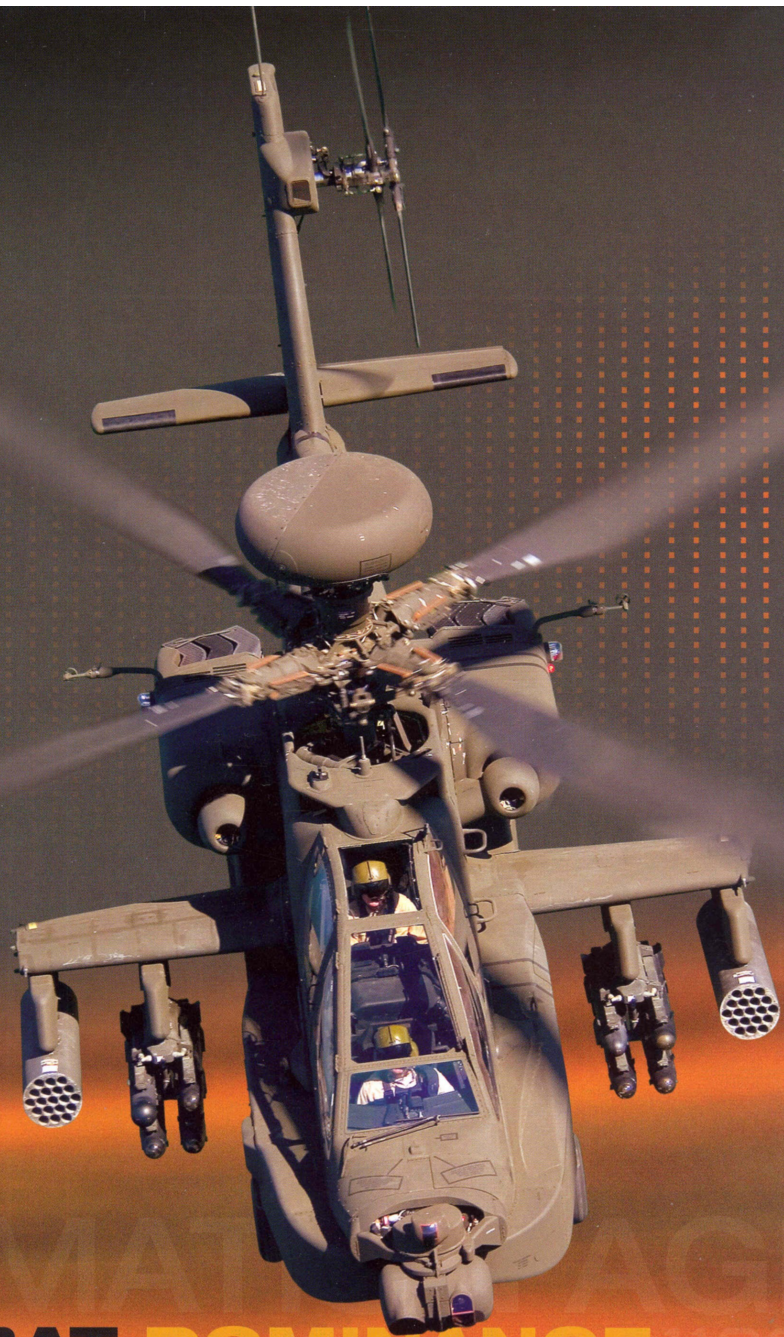
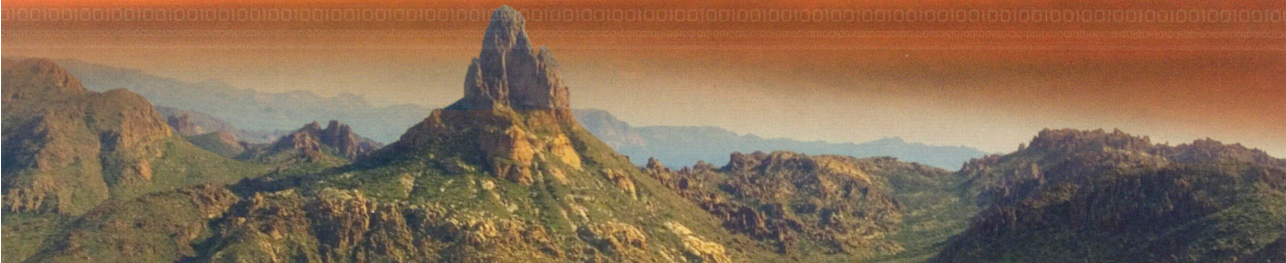


 **BOEING**



COMBAT DOMINANCE

AH-64D APACHE LONGBOW



CONCEIVED AS A WEAPON OF THE COLD WAR, THE AH-64 APACHE HAS EVOLVED AS A WEAPON SYSTEM CRITICAL TO NATIONAL DEFENSE ON A GLOBAL SCALE. THE APACHE LONGBOW HAS RETAINED ITS TITLE AS WORLD'S MOST CAPABLE RECONNAISSANCE/ATTACK HELICOPTER AS IT HAS MATURED ALONG WITH THE TECHNOLOGY THAT SETS IT APART FROM OTHERS. TODAY, THE APACHE LONGBOW IS CHARTING A NEW COURSE AS THE APACHE TEAM MOVES FORWARD WITH IMPROVEMENTS SELECTED BY THE U.S. ARMY TO KEEP THE APACHE LONGBOW THE DOMINANT RECONNAISSANCE/ATTACK HELICOPTER FOR YEARS TO COME. THE NEWEST APACHE LONGBOW WILL INCLUDE DIGITAL COMMUNICATION SYSTEMS FOR GREATER FLEXIBILITY, GREATER SITUATIONAL AWARENESS FOR THE AIR AND GROUND FORCE, OPEN-SYSTEMS ARCHITECTURE FOR RAPID TECHNICAL IMPROVEMENTS, NETWORK-CENTRIC OPERATIONS TO DIGITALLY LINK TO THE CURRENT AND FUTURE FORCE, COGNITIVE DECISION-AIDING TO REDUCE PILOT WORKLOAD, CONNECTIVITY WITH UNMANNED AIRCRAFT SYSTEMS FOR SIGNIFICANTLY IMPROVED RECONNAISSANCE, AND NUMEROUS HARDWARE IMPROVEMENTS FOR REDUCED LIFECYCLE COSTS.

THE AH-64D APACHE LONGBOW IS COMBAT **DOMINANCE**

NO OTHER ATTACK HELICOPTER IN THE WORLD DELIVERS THE LETHAL PERFORMANCE, UNPARALLELED SURVIVABILITY AND MULTI-MISSION FLEXIBILITY THAT HAVE BECOME THE HALLMARK OF THE APACHE LONGBOW'S PROUD HERITAGE. APACHE LONGBOW: PAST, PRESENT AND FUTURE WARRIOR.

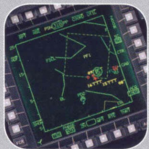
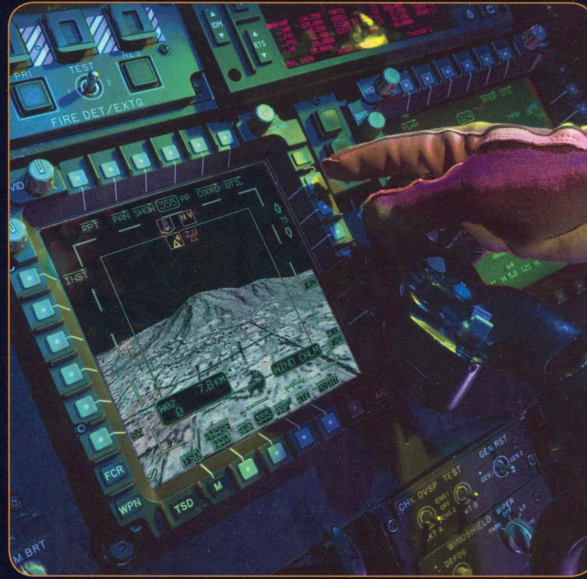
100 WORLD'S PREMIER ATTACK HELICOPTER.1010

DOMINANT TECHNOLOGY...

The Apache Longbow puts the right information into the hands of the pilot and co-pilot/gunner. With powerful digital processors integrating information with the crew and systems, the Apache Longbow dominates the network-centric



demands of the future. The combination of this sensor suite and integrated cockpit design brings the operational environment into focus, paving the way for decisive and lethal response to enemy threats.



WHEELED VEHICLE



TRACKED VEHICLE



AIR DEFENSE VEHICLE



HELICOPTER



FIXED WING

The radar automatically detects, classifies and prioritizes multiple targets – day or night in all kinds of environments and weather. Multipurpose displays allow the crew to rapidly see, understand and manage the battlefield for enhanced levels of situational awareness.

MOVING TARGET CLASSIFICATION



WHEELED VEHICLE



TRACKED VEHICLE



AIR DEFENSE VEHICLE

The radar, along with the integration of other sights, sensors and weapons, gives the Apache Longbow lethal precision-strike capability and unmatched dominance in combat.

TARGET PRIORITIZATION



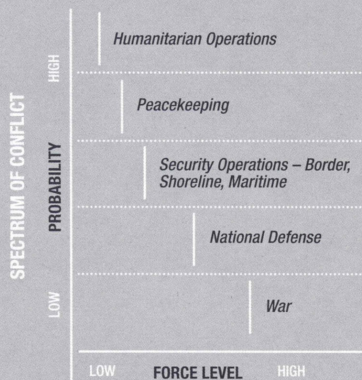
SHOOT FIRST



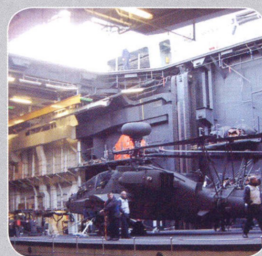
SHOOT SECOND




ALREADY SHOT AT



UNMATCHED APPLICABILITY ACROSS THE SPECTRUM OF CONFLICT



Today's operational environment is rapidly evolving across the spectrum of conflict. And of today's combat helicopters, only the Apache Longbow ensures the flexibility and capability to meet the needs of the modern battlefield. The Apache Longbow offers a combination of lethal performance and unparalleled survivability, traits that are invaluable not only to crew members but to the soldiers on the ground who depend on the aircraft's firepower and maneuverability for close combat attack and suppressive fire. The right weapon for today; the right tool for the future.



AH-64D

APACHE LONGBOW WEAPON SYSTEM

A WINNING COMBINATION

MEETING THE NEED, EXCEEDING EXPECTATIONS

Apache Longbow is designed to fulfill demands for versatile response in a changing world. New modernization efforts in aircraft performance, network-centric communications, interoperability and operational support will give the Apache Longbow a new set of tools to help complete its mission and dominate any operational environment. Along with overwhelming firepower, the Apache integrates innovative tools – multispectral sensors and advanced algorithms to aid the crew in cognitive decision-making, state-of-the-art avionics, and modern combat systems – with digital capabilities to bring information and force to bear. The result is a new level of battlefield dominance. The AH-64D Apache Longbow continues to be the right combination of brains and brawn.

DOMINANT FIREPOWER...

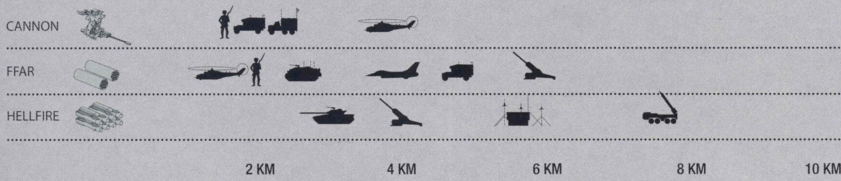
The AH-64D Apache Longbow is a versatile weapon system with the unmatched capability to integrate information, performance and capability – unifying data, weapons and crew to create the most lethal combat helicopter on today's battlefield, an



aircraft with the brawn to succeed today and the brains to dominate tomorrow. More importantly, the Apache can fly into battle with a wide variety of weapon load-outs to counter diverse threats without reconfiguring payload. The Apache Longbow easily fields the right muscle for any job – from anti-armor and anti-personnel missions to challenging urban terrain.



WEAPONS PERFORMANCE



Apache Longbow offers versatile payload options, allowing the battlefield commander the ultimate mission flexibility – bringing the right weapon to handle the situation.

M230 Chain Gun® Cannon

- Point-target accuracy – best in class
- Tremendous target effect
- Up to 1,200-round capacity
- Independent burst selection
- Flatpack design
- Sideloader and magazine controller

Folding-Fin Aerial Rockets

- Greatly improved accuracy
- Up to 76 70mm aerial rockets
- Multiple warheads/rockets qualified
- Built-in test after loading
- Capability to add laser-designated rockets

Hellfire® Missiles

- Unsurpassed accuracy at maximum stand-off range
- Up to 16-missile capacity
- Engagement capability
 - Fire-and-forget (Radar)
 - Precision engagement (Laser)

DOMINANT FUTURE...

Enter the U.S. Army's Block III Apache Longbow.

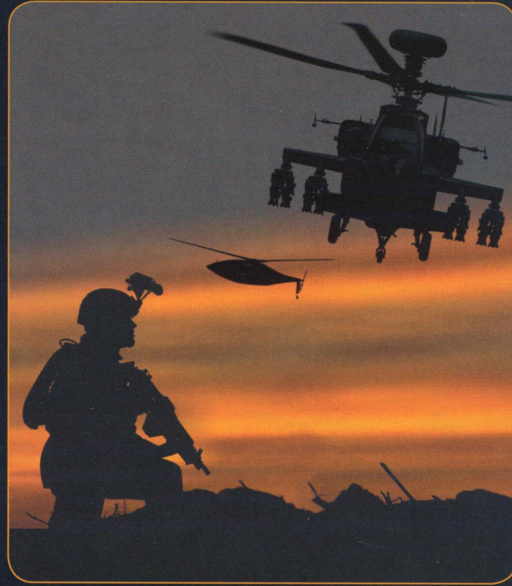
Designed to fulfill the demands and requirements of the U.S. Army for action in a changing world, the U.S. Army's Block III



Apache Longbow lifts the attack helicopter role where it has never been. New modernization efforts in aircraft performance, network-

centric communications interoperability and operational support will give the Apache Longbow a new set of tools to help complete

its mission and dominate any operational environment. The Apache Longbow, with its digital connectivity and the ability to share targeting data at the click of a button, uses Open Systems Architecture to spiral new technologies into its fully integrated design.



SITUATIONAL UNDERSTANDING



A NETWORK-CENTRIC, MULTIROLE WEAPON SYSTEM

The Block III Apache Longbow's innovative tools for the U.S. Army include multispectral sensors and advanced algorithms to aid the crew in cognitive decisions, and state-of-the-art avionics and modern combat systems that bring its digital capabilities to the next level of dominance. Bottom line, the U.S. Army's Block III Apache Longbow represents a network-centric, multirole weapon system, fully interoperable with joint, current, and future-force systems.

Networked to joint and combined air-ground maneuver teams, the U.S. Army's Block III Apache Longbow is custom-fit to support ground commanders. The Apache Longbow's unique capabilities make it perfect for armed reconnaissance, mobile strike, close combat, and a host of shaping operations and precision engagement missions.

Evolutionary systems and proven advanced technologies make the U.S. Army's Block III Apache Longbow more deployable, more sustainable and destined to operate with a reduced logistical footprint – essential in the fast moving climate of today's security environment.

Improved Versatility – Supports joint maneuver commander's need for multi-mission operations in high/hot environments (6,000 ft/95°F).

Open Systems Architecture – The innovative and versatile ability to rapidly integrate new technology into the Apache Longbow without major reconfiguration of aircraft systems.

Network-Centric Capability – Provides joint air-ground team synchronization with enhanced joint interoperable communications and a shared common operating picture.

Improved Survivability/Force Protection – Ready to fight with Integrated Air Warrior, Common Missile Warning System, and extended range Radar Frequency Interferometer with passive ranging.

Improved Situational Awareness – Supports the joint maneuver commander with a better understanding of friendly and threat situation utilizing Level IV unmanned aircraft system control and Cognitive Decision-Aiding System. These enhancements increase effectiveness while minimizing chance of fratricide.

Increased Responsiveness – Provides capability for accurate target acquisition, identification, engagement and battle-damage assessment utilizing the Modernized Target Acquisition Designation Sight (M-TADS), image fusion, Level IV unmanned aircraft system control and automated target detection/classification.

Increased Lethality – Expands air-ground precision engagement capability for the joint commander through the use of longer-range sensors, unmanned aircraft system teaming and maritime capability.



NO OTHER ATTACK HELICOPTER COMBINES THE TECHNOLOGY AND INNOVATION NEEDED TO MAKE MAN AND MACHINE A SINGLE POWERFUL TOOL IN TODAY'S OPERATIONAL ENVIRONMENT AND A POTENT, RELEVANT WEAPON SYSTEM FOR THE FUTURE. TOTAL BATTLEFIELD DOMINANCE.



NETWORK-CENTRIC. SOLDIER-FOCUSED.



The Boeing Company
Integrated Defense Systems
5000 East McDowell Road, Mesa, Arizona 85215
Visit our website at <http://www.boeing.com>
Approved for Public Release: 22 CFR Part 125.4(b)(13) Applicable

BOEING is a trademark of Boeing
Management Company
Copyright © 2007 Boeing
All rights reserved

SMD07-96996