

# APKWS<sup>®</sup>

laser-guidance kit

The APKWS<sup>®</sup> guidance kit transforms an unguided rocket into the **tactical weapon of choice**—delivering accuracy with low collateral damage. It stands alone in its class as the **U.S. Government's only program of record** for a 2.75-inch (70 mm) laser-guided rocket, and is proven successful in combat on the AH-64 Apache and other rotary-wing platforms.

## Unrivaled accuracy

The APKWS laser-guidance kit is the precision-strike weapon of choice to engage moving or stationary targets with low collateral damage. It consistently hits both soft and lightly armored objects in open and confined areas. It achieves this accuracy using DASALS<sup>®</sup> seeker optics that deploy after the rocket is fired. These optics enable the rocket to see the entire field of regard, locking onto laser designated targets from over 3 kilometers away.

## Unique design

Our mid-body modular design is compatible with existing and new inventories of 2.75-inch rocket motors, warheads, and launchers – designed to transform unguided rockets into guided rockets. It has enabled integration on more than two dozen rotary-wing and fixed-wing platforms, and is qualified on over a dozen. It was first integrated on the AH-1W Cobra, and requires no modifications to the standard rocket motor, firing platform or fire control system.

## Cost effective

The APKWS laser-guidance kit is a cost effective solution with low collateral damage and low weight. It integrates with existing infrastructure and inventory, producing a game-changing capability at the industry's lowest total ownership cost for a precision-guided munition.

## Combat proven

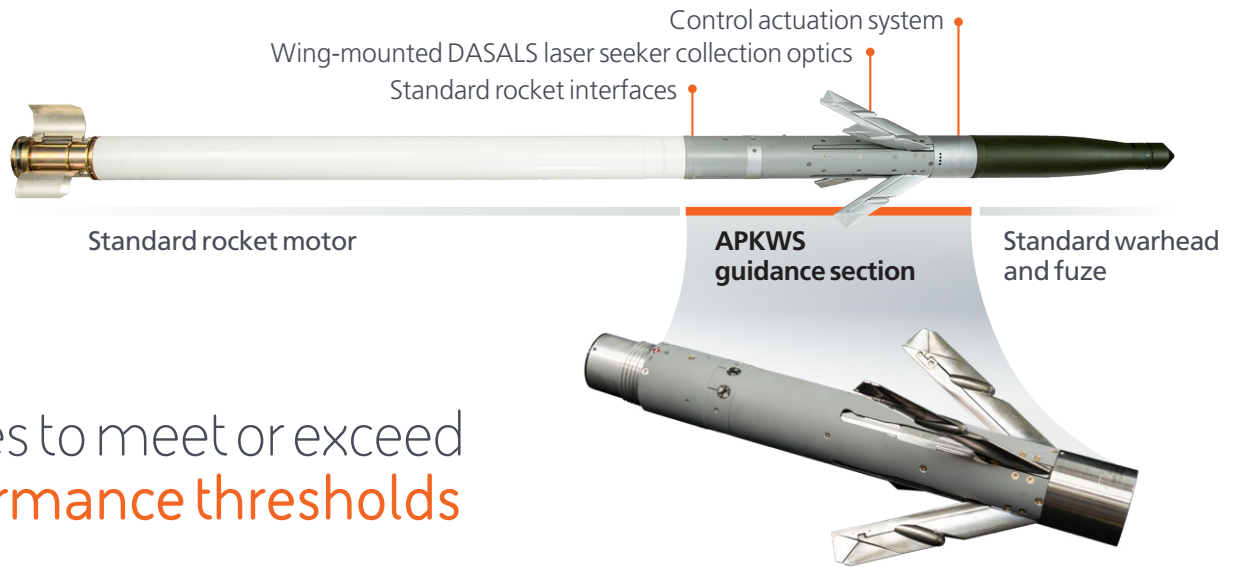
Our system consistently hits its target, with over a 93 percent success rate in combat operations. It has achieved this success with the U.S. Navy and U.S. Marine Corps since 2012. The APKWS is also utilized by the U.S. Army on the AH-64 Apache, with numerous confirmed successful engagements in combat.



The APKWS laser-guidance kit successfully operates in combat on the **AH-64D/E, MH-60R/S, UH-1Y**, and **AH-1W** as well as other rotary-wing and fixed-wing platforms.

## Available today

The APKWS laser-guidance kit is available to all four U.S. military branches and through Foreign Military Sales (FMS) to allied nations for ongoing combat operations. We continue to accelerate deliveries ahead of schedule, and have delivered over 10,000 production units to date. With our current manufacturing capacity up to 20,000 units per year and growing, we are prepared to meet increased demand.



## Continues to meet or exceed all performance thresholds

### Rotary-wing specifications

Specification	Threshold
Minimum range	0.9 mi (1.5 km)
Maximum range	3 mi (5 km)
Probability of hit per single shot	80% within 2.1 yd (2 m) of center of laser spot
Weight	35 lbs (15.8 kg)
Length (all-up round)	75 in (1905 mm)
Diameter (all-up round)	2.75 in (70 mm)
Launch altitude	-200 to 25,000 ft - MSL
Launch height above target	0 to 3,000 ft
Platform speed at launch	0 to 150 KTAS
Acceleration at launch	Not specified – used +1g

The APKWS system exceeds all threshold specifications (all specifications are using the threshold configuration of M151 warhead/M423 fuse).

### Rotary-wing launch platforms

#### Qualified platforms

- AH-64D/E Apache
- AH-1W/Z Super Cobra/Viper
- UH-1Y Venom
- MH-60S/R Knight Hawk/Seahawk
- UH-60L/M Black Hawk
- IA-407 Bell
- ARH Tiger
- OH-58 Kiowa Warrior
- AH-6M Little Bird

#### Demonstrated platforms

- V-22 Osprey
- Bell 407GT
- Boeing AH-6i
- MQ-8B Fire Scout

#### Potential platforms

- AH-1F Cobra
- MD 530G Light Scout
- AW109 Power
- AW139
- Airbus H135
- Airbus H145

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