

# 2.75" Family of Rockets

Provides affordable air-to-ground precision fires to defeat soft and lightly armored targets (Advanced Precision Kill Weapon System [APKWS]) and suppression, illumination, and direct/indirect fires to defeat area, materiel, and personnel targets (Hydra 70).

## INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



## Description & Specifications

The Advanced Precision Kill Weapon System (APKWS) and Hydra 70 Rocket System make up the family of 2.75" air-launched rockets employed by tri-service and special operating forces on both fixed wing and rotary wing aircraft. This highly modular rocket family incorporates a laser guidance section mated to a high-explosive warhead for the APKWS variant, and several different mission-oriented warheads for the Hydra 70 variant, including high-explosive, multi-purpose submunition, red phosphorus smoke, flechette, visible light illumination flare, and infrared illumination flare.

## Program Status

### APKWS

- **3QFY05:** Program restructure decision
- **2QFY06:** Milestone decision authority restructure in process review
- **3QFY06:** Contract awarded to continue system development and demonstration activities

### Hydra 70

- **Current:** Producing annual replenishment requirements for training and war reserve

## Projected Activities

### APKWS

- **4QFY08:** Low rate initial production (LRIP) (Milestone C) decision review
- **1QFY09:** Initiate LRIP

### Hydra 70

- **Ongoing:** Continue Hydra 70 production and insensitive munitions improvement activities

## ACQUISITION PHASE

Concept & Technology Development

System Development & Demonstration

Production & Deployment

Operations & Support

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### FOREIGN MILITARY SALES

**APKWS:** None

**Hydra 70:** Kuwait, the Netherlands, Colombia, Singapore, Thailand, United Arab Emirates, and Japan

### CONTRACTORS

**APKWS:**

BAE Systems Electronics & Integrated Solutions (Nashua, NH)

**Hydra 70:**

General Dynamics Armament and Technical Products (GDATP) (Burlington, VT)

**Grain:**

Alliant Techsystems (Radford, VA)

**Fuzes:**

Action Manufacturing (Philadelphia, PA)

**Fin and nozzle:**

General Dynamics Ordnance and Tactical Systems (Anniston, AL)

**DIAMETER:** 2.75 inches

**WEIGHT:** APKWS, 35 pounds; Hydra 70 23–27 pounds (depending on warhead)

**LENGTH:** APKWS, 75 inches; Hydra 70 55–70 inches (depending on warhead)

**RANGE:** APKWS, 1,500–5,000 meters; Hydra 70, 300–8,000 meters

