

## 2.75" Family of Rockets

Provides inexpensive air-to-ground precision fires to defeat soft and lightly armored targets (APKWS) and suppression, illumination, and direct/indirect fires to defeat area, materiel, and personnel targets (Hydra 70).



### DESCRIPTION AND SPECIFICATIONS

The Advanced Precision Kill Weapon System (APKWS) and Hydra 70 comprise the family of 2.75 inch 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, multipurpose submunition, red phosphorus smoke, flechette, variable illumination flare, and infrared illumination flare.

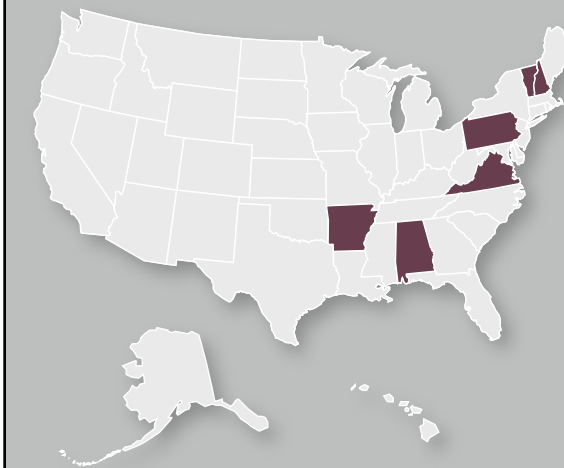
- Diameter:** 2.75 inches
- Weight:** APKWS 35 pounds, Hydra 70 23-27 pounds (depending on warhead)
- Length:** APKWS: 73 inches, Hydra 70 55-70 inches (depending on warhead)
- Range:** APKWS: 1,500-5,000 meters, Hydra 70 300-8,000 meters

### PROGRAM STATUS

- **2QFY04-3QFY05** APKWS: Continue system development and demonstration (SDD) activities
- **Current** Hydra 70 fully fielded; fulfilling annual replenishment requirements for training and war reserve

### PROJECTED ACTIVITIES

- **3QFY05** Initiate low rate initial production
- **1QFY06** APKWS: Begin limited user test
- **Ongoing** Continue Hydra 70 sustainment (operations and support) activities



### CONTRACTORS

- Prime Systems-APKWS:** General Dynamics Armament and Technical Products (GDATP) (Burlington, VT) and BAE Systems (Manchester, NH)
- Hydra 70:** General Dynamics Armament and Technical Products (GDATP) (Burlington, VT)
- Grain:** Alliant Techsystems (Radford, VA)
- Warhead and rocket LAP:** General Dynamics OTS (Camden, AR)
- Fuzes:** Action Manufacturing (Philadelphia, PA)
- Fin and nozzle:** General Dynamics (Anniston, AL)

### INVESTMENT COMPONENT

Modernization

### ACQUISITION PHASE

- System Development and Demonstration
- Operations and Support