

2.75 Inch Rocket Systems (Hydra)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



MISSION

Provides air-to-ground suppression, smoke screening, illumination, and direct and indirect fires to defeat area materiel and personnel targets at close and extended ranges.

DESCRIPTION

The Hydra 70 Rocket System of 2.75 inch air-launched rockets is employed by tri-service and special operating forces on both fixed- and rotary-wing aircraft and is inherently immune to countermeasures. This highly modular rocket family incorporates several different mission-oriented warheads for the Hydra 70 variant, including high-explosive, anti-personnel, multipurpose submunition, red phosphorus smoke, flechette, training, visible-light illumination flare, and infrared illumination flare.

Diameter: 2.75 inches

Weight: 23–27 pounds (depending on warhead)

Length: 55–70 inches (depending on warhead)

Range: 300–8,000 meters

Velocity: 700+ meters per second

Area suppression: No precision

SYSTEM INTERDEPENDENCIES

None

PROGRAM STATUS

- **Current:** Producing annual replenishment for training, theater combat expenditures, and war reserve requirements

PROJECTED ACTIVITIES

- **FY11:** Continue Hydra 70 production and safety, reliability, and producibility program activities

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

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FOREIGN MILITARY SALES

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

CONTRACTORS

Prime System:

General Dynamics (Burlington, VT)

Grain:

Alliant Techsystems (Radford, VA)

Fin & Nozzle:

General Dynamics Ordnance and Tactical Systems (Anniston, AL)

Rocket Production:

General Dynamics Armament and Technical Products (Camden, AR)

Warhead Fuzes:

Action Manufacturing (Philadelphia, PA)

Warhead Flechette:

Penn United (Cabot, PA)

Fiber Containers:

Sonoco (Robesonia, PA)

Fastpack Refurbishment:

B&M Painting (Camden, AR)

