

# Improved Target Acquisition System (ITAS)

Provides superior surveillance capability that enables the Soldier to shape the battlefield by detecting and engaging targets at long ranges.

## INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



## Description & Specifications

The TOW Improved Target Acquisition System (ITAS) is a reconnaissance, surveillance, and target acquisition (RSTA) platform, providing long-range heavy anti-tank and precision assault fires capabilities to Army and Marine Corps light, airborne, air assault, and Stryker Brigade Combat Team (SBCT) forces. It is a multi-mission weapon system used as a tank neutralizer, precision assault weapon, and as the infantry task force's long-range surveillance asset.

ITAS is a major product upgrade that greatly reduces its number of components, minimizing logistics support and equipment requirements. Built-in diagnostics and improved interfaces enhance target engagement performance. ITAS's second-generation infrared sensors double the range of its predecessor for gunners. It offers improved hit probability by aided target tracking, improved missile flight software algorithms, and an elevation brake to minimize launch transients.

The ITAS includes an integrated (day/night sight with laser rangefinder) target acquisition subsystem, a fire control subsystem, a lithium-ion battery power source, and a modified traversing unit. Soldiers can detect and engage long-range targets with TOW missiles or direct fire to destroy them. With the PAQ-4/PEQ-2 Laser Pointer, ITAS can designate .50 caliber or Mk-19 grenade engagements. TOW 2B Aero provides an extended maximum range to 4500 meters for long-range engagement of armored vehicles. The TOW Bunker Buster is used in urban terrain or bunker engagements in assault operations. ITAS operates from the HMMWV, the dismount tripod platform, and Stryker anti-tank guided missile vehicles.

## Program Status

- **Current:** ITAS has been fielded to 82d Airborne Div; 1st, 2nd and 3rd SBCTs; the 101st Air Assault Division; 2nd Infantry, 10th Mountain, and 25th Infantry Divisions; 39th, Separate Infantry Brigade; 1/34th Minnesota National Guard.

- **Current:** The Marine Corps selected ITAS to replace all Marine Corps heavy anti-tank/assault systems and placed 418 systems on contract on September 12, 2006.
- **2QFY05–4QFY06:** Fielding of Army pre-positioned stock; fielding of SBCT 1 and SBCT 4 in-lieu-ofs; modularity conversion of 11 BCTs; retrofitted 205 silver-zinc batteries with lithium-ion batteries; reset of units returning from Theater of Operation; sustainment training for fielded units; pre-deployment training; National Guard support of border Patrol activities; contractor logistics support

## Projected Activities

- **2QFY07–2QFY09:** Fielding of 11 BCTs; completion of lithium-ion retrofit; ITAS production continues; sustainment training for fielded units; pre-deployment training; anticipated continuation of border patrol activities; contractor logistics support

## ACQUISITION PHASE

Concept & Technology Development

System Development & Demonstration

Production & Deployment

Operations & Support

## Improved Target Acquisition System (ITAS)

### FOREIGN MILITARY SALES

NATO Maintenance and Supply Agency  
Canada

### CONTRACTORS

#### Prime:

Raytheon (McKinney, TX)

#### Training Devices:

Intercoastal Electronics (Mesa, AZ)

