

Stryker

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

To enable the Army to respond immediately to urgent operational requirements anywhere in the world using readily deployable, combat-ready support vehicles capable of rapid movement.

DESCRIPTION

Stryker is a family of eight-wheeled armored vehicles that combine high battlefield mobility, firepower, survivability, and versatility with reduced logistics requirements. It includes two types of vehicles: the Infantry Carrier Vehicle (ICV) and the Mobile Gun System (MGS). The ICV, a troop transport vehicle, can carry nine infantry Soldiers, their equipment, and a crew of two: driver and vehicle commander. The MGS, designed to

support infantry, has a 105mm turreted gun and autoloader system to breach bunkers and concrete walls.

Eight other configurations based on the ICV support combat capabilities: Reconnaissance Vehicle (RV), Mortar Carrier (MC), Commander's Vehicle (CV), Fire Support Vehicle (FSV) Engineer Squad Vehicle (ESV), Medical Evacuation Vehicle (MEV), Anti-Tank Guided Missile (ATGM) vehicle, Nuclear, Biological, and Chemical Reconnaissance Vehicle (NBCRV)

The ICV (excluding the MEV, ATGM, FSV, and RV) is armed with a remote weapons station supporting an M2 .50 caliber machine gun or MK19 automatic grenade launcher, the M6 grenade launcher, and a thermal weapons sight. Stryker supports a communications suite integrating the Single Channel Ground and Airborne Radio System (SINCGARS); Enhanced Position Location Reporting System (EPLRS); Force XXI Battle Command Brigade-and-Below (FBCB2); GPS; and high-frequency and near-term digital radio systems. In urban terrain,

Stryker gives 360-degree protection against 14.5mm armor piercing threats. It is deployable by C-130 aircraft and combat-capable on arrival.

The Stryker program leverages non-developmental items with common subsystems and components to quickly field these systems. Stryker integrates government furnished materiel subsystems as necessary. Stryker stresses performance and commonality to reduce the logistics footprint and minimize costs. Since October 2003, Strykers in Iraq have logged over 24 million miles and maintained operational readiness above 90 percent. SBCTs require 332 Stryker vehicles. The current program requires more than 3,616 Strykers to field seven SBCTs and meet additional requirements. Funding has increased Stryker ready-to-fight fleet requirements to 150 Strykers, and Repair Cycle Floats to 322 Strykers.

SYSTEM INTERDEPENDENCIES

None

PROGRAM STATUS

- **4QFY08:** Acquisition Decision Memorandum approving additional limited-rate production of 62 MGS Strykers
- **1QFY09:** Completed fielding to all seven SBCTs with exception of NBCRV and MGS
- **1QFY09:** Configuration Steering Board addressing scope of requirements for MGS
- **4QFY09:** Configuration Steering Board to address Stryker modernization

PROJECTED ACTIVITIES

- **2QFY09–4QFY10:** NBCRV reliability growth testing
- **4QFY10:** NBCRV operational test and evaluation II
- **2QFY11:** NBCRV Milestone III for full-rate production

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Stryker

FOREIGN MILITARY SALES

None

CONTRACTORS

General Dynamics (Anniston, AL;
Sterling Heights, MI; Lima, OH)
Interstate Electronics (Anaheim, CA)
Composix (Newark, OH)
Mittal (Coatesville, PA)

