

Stryker Family of Vehicles

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Enables the Army to immediately respond to urgent operational requirements anywhere in the world using rapidly deployable, agile, and strategically responsive support vehicles.

DESCRIPTION

As the primary combat and combat support platform of the Stryker Brigade Combat Team (SBCT), the Stryker Family of Vehicles fulfills an immediate requirement for a strategically deployable (C-17/C-5) brigade capable of rapid movement anywhere on the globe in a combat-ready configuration. The Stryker Family of Vehicles is built on a common chassis, each with a different Mission Equipment Package. There are 10 variants, including the Infantry Carrier Vehicle (ICV), the Mobile Gun System (MGS), the Reconnaissance Vehicle (RV),

Mortar Carrier, Commanders Vehicle, Fire Support Vehicle (FSV), Engineer Squad Vehicle, Medical Evacuation Vehicle (MEV), Anti-tank Guided Missile (ATGM) Vehicle, and the Nuclear Biological Chemical Reconnaissance Vehicle (NBCRV).

The ICV (excluding the MEV, ATGM, FSV, and RV) is armed with a Remote Weapon Station supporting an M2 .50 caliber machine gun or MK19 automatic grenade launcher, the M6 grenade launcher, and a thermal weapons sight. Stryker supports communication suites that integrate the Single Channel Ground and Air Radio System (SINCGARS) radio family; Enhanced Position Location Reporting System (EPLRS); Force XXI Battle Command Brigade and Below (FBCB2) or Blue Force Tracker (BFT); Global Positioning System (GPS); high-frequency (HF) and multiband very-high and ultra-high frequency (VHF/UHF) radio systems. Stryker provides 360-degree protection against armor-piercing threats. Stryker is powered by a 350-hp diesel engine, runs on eight wheels that possess a run-flat capability, and has a central tire-inflation system. It also incorporates a vehicle-height management system.

The Stryker program leverages non-developmental items with common subsystems and components to allow rapid acquisition and fielding. Stryker integrates government furnished materiel subsystems as required and stresses performance and commonality to reduce the logistics footprint and minimize costs.

SYSTEM INTERDEPENDENCIES

Other Major Interdependencies

DAGR, DVE, EPLRS, FH MUX, FS3, KNIGHT, LRAS3, MCS, MFCS, RWS, SHADOWFIRE, SPITFIRE, STORM, VIS VIC, Sensor Processing Group, Sensor Suite

PROGRAM STATUS

- **3FY11:** Acquisition Decision Memorandum supporting fielding of the Stryker Double-V Hull and approving continued production is received following March 2011 Configuration Steering Board
- **4QFY11:** Continuing Combat Vehicle Portfolio Review to determine strategy to enable future network integration

PROJECTED ACTIVITIES

- **2QFY12:** Stryker NBCRV Full-Rate Production Decision
- **3QFY12:** SBCT 8 completes Stryker fielding

- **2QFY13:** SBCT 8 reaches Initial Operational Capability
- **3QFY13:** SBCT 9 completes Stryker fielding
- **1QFY14:** SBCT 9 reaches Initial Operational Capability

ACQUISITION PHASE

Technology Development

Engineering and Manufacturing Development

Production and Deployment

Operations and Support

Stryker Family of Vehicles

FOREIGN MILITARY SALES

None

CONTRACTORS

General Dynamics Land Systems (Sterling Heights, MI)

Manufacturing/Assembly:

General Dynamics Land Systems-Canada (London, Ontario, Canada)

Joint Systems Manufacturing Center (JSMC) (Lima, OH)

General Dynamics Assembly Operations (Anniston, AL)

Engineering:

General Dynamics (Sterling Heights, MI)

Kits:

Verhoff Machine (Continental, OH)

Manifold/Alternator:

North American Controls (Shelby Twp, MI)

Sensors/CCA:

Raytheon (El Segundo, CA)

Fire System Assembly:

Kidde Dual Spectrum (Goleta, CA)

