

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 ten variants, including the Infantry Carrier Vehicle (ICV), the Mobile Gun System (MGS), the Reconnaissance Vehicle (RV), the Mortar Carrier (MC), the Commanders

Vehicle (CV), the Fire Support Vehicle (FSV), the Engineer Squad Vehicle (ESV), Medical Evacuation Vehicle (MEV), the Anti-tank Guided Missile (ATGM) Vehicle, and the Nuclear Biological Chemical Reconnaissance Vehicle (NBCRV). Additionally, there are Double V-Hull variants for the following: ICV, CV, MEV, MC, ATGM, FSV, ESV.

The Stryker Variants (excluding the MEV, ATGM, FSV, RV and MGS) are 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 multi-band 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-horsepower 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

In this Publication
None

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

- **1QFY12:** NBCRV Full Materiel Release and Full-rate production approved
- **1QFY12:** Army decision to deploy second DVH SBCT to Afghanistan
- **3QFY12:** Army Systems Acquisition Review Council approves Phase 1 for Stryker Engineering Change Proposal effort

PROJECTED ACTIVITIES

- **2QFY13:** SBCT 8 reaches Initial Operational Capability
- **2QFY13:** ASARC to approve Phase 2 Stryker ECP effort (tent)
- **3QFY13:** SBCT 9 completes Stryker fielding
- **1QFY14:** SBCT 9 reaches Initial Operational Capability
- **FY12-FY14:** NBCRV fielding to select Active component Heavy BCT (HBCT) and Chemical Companies
- **FY14-FY17:** NBCRV fielding to select Reserve component HBCT and Chemical Companies

ACQUISITION PHASE

| | | | |
|------------------------|---|-------------------------|----------------------|
| Technology Development | Engineering & Manufacturing Development | Production & Deployment | Operations & Support |
|------------------------|---|-------------------------|----------------------|

Stryker Family of Vehicles

FOREIGN MILITARY SALES

None

CONTRACTORS

General Dynamics Land Systems
(Sterling Heights, MI)

Manufacturing/Assembly:

General Dynamics Land Systems-Canada
(Ontario, Canada)

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

General Dynamics Assembly Operations
(Anniston, AL)

Engineering:

General Dynamics (Sterling Heights, MI)

Kits

Manifold/Alternator:

North American Controls (Shelby Twp, MI)

Sensors/CCA:

Raytheon (El Segundo, CA)

Fire System Assembly:

Kidde Dual Spectrum (Goleta, CA)

Rock Island Arsenal (IL)

