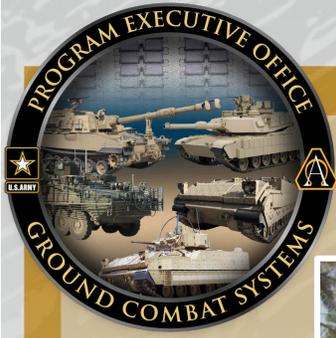




**PROJECT MANAGER
STRYKER BRIGADE COMBAT TEAM**



Program Executive Office Ground Combat Systems



STRYKER FAMILY of VEHICLES

Stryker Brigade Combat Team



SPECIFICATIONS:

WEIGHT: 20-23.5Tons

MAIN ARMAMENT: .50 Caliber; 105mm for the MGS

TOP SPEED: 60 MPH

CREW: 2-9 Variant Dependant

MISSION:

OVERVIEW: The Stryker Brigade Combat Team (SBCT) is a full spectrum, early entry combat force. The Brigade has utility in all operational environments against projected future threats. The Stryker is optimized primarily for employment in Small Scale Contingencies (SSC) in complex and urban terrain, confronting low-end and mid-range threats that may employ both conventional and asymmetric capabilities. Fully integrated within the joint contingency force (under command



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and control of a division), the SBCT will deploy very rapidly, execute early entry, and conduct combat operations immediately upon arrival to prevent, contain, stabilize, or resolve a conflict.

CURRENT OPERATIONS: Combat proven in Iraq and Afghanistan, SBCT has logged more than 30 million combat miles (49 million total miles) with operational readiness rates greater than 90 percent. Stryker has completed 20 deployments with all 10 variants in their inventory, including DVH vehicles.

IMPROVEMENTS: In response to a need to better protect Stryker Soldiers from the threat of mines and improvised explosive devices, the Stryker Double V-Hull (DVH) effort emerged. DVH includes: a new hull configuration, increased protection, upgraded suspension and braking system, wider tires, blast-attenuating seats and a Height Management System (HMS) designed to increase ground clearance and improve both survivability and mobility.

MODERNIZATION: Prototype build, test and evaluation work is ongoing to address Space, Weight, and Power shortcomings on the vehicle and allow it to better accept the future network. A Cost-Benefit Analysis was completed and determined that an upgraded engine, suspension, alternator, and in-vehicle network were key technologies to move forward with given resource constraints.

PRODUCTION: Stryker production of Flat Bottom to DVH Exchange vehicles for the 3rd DVH Brigade is planned through FY16. Approval for the production of a 4th DVH Brigade has also been received from the Army Acquisition Executive.

LOGISTICS SUPPORT: Stryker vehicles supported through contractor-provided scheduled services transitioned to Soldier-provided scheduled services via increased MTOE in FY15. Logistics Assistance Representatives (LARs) will replace FSRs in FY16, except in newly fielded units. All unscheduled maintenance is also performed organically by the units. All parts for unscheduled maintenance are requisitioned through Standard Army Maintenance Information System (STAMIS).

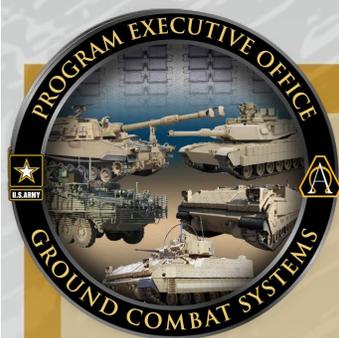


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Stryker Variants:

Infantry Carrier Vehicle (M1126 ICV, M1256 ICVV): The ICV/ICVV is an infantry nine-man squad carrier that provides protected battlefield transport and direct fire support for dismounted operations. Each ICV has a crew of two (VC and driver) that operate and maintain the ICV to help insure protected delivery of the infantry squads to dismount locations.

Reconnaissance Vehicle (M1127 RV): The RV used by reconnaissance, surveillance, and target acquisition squadrons and battalion scouts to perform reconnaissance and surveillance operations. The RV carries a crew and a scout squad for dismounted reconnaissance. The main reconnaissance asset is the Long Range Advanced Scout Surveillance System (LRAS3) which has a capability to detect targets at long range, dismounted capability operation. Armament includes a Commander's cupola for a .50cal M2HB machine gun or MK19 40 mm grenade launcher.

Mobile Gun System (M1128 MGS): The MGS provides direct supporting fires to assault infantry in order to destroy or suppress hardened enemy bunkers, machine gun positions, and sniper positions in urban, restricted, and open rolling terrain. MGS is the key weapons overmatch platform to ensure mission success and survivability of the Combined Arms Company.

Mortar Carrier (M1129A1 MCV, M1252 MCVV): The MCV/MCVV provides accurate, lethal high angle fire to support operations in complex terrain and urban environments. The MC accommodates a 120 mm mortar system that fires a full family of mortar ammunition (HE, illumination, IR illumination, smoke, precision guided, and Dual Purpose Improved Conventional Munitions (DPICM) while mounted.

Commander's Vehicle (M1130 CV, M1255 CVV): The CV, CVV provides commanders with communication, data, and control functions to analyze and prepare information for combat missions. The CV integrates the C4ISR equipment for the unit commanders and can also link to aircraft antenna/power for planning missions while enroute aboard aircraft. Commanders have the capability to see and direct the battle continuously, maintaining the Common Relevant Operating Picture (CROP) for all friendly forces within their respective areas of operation.

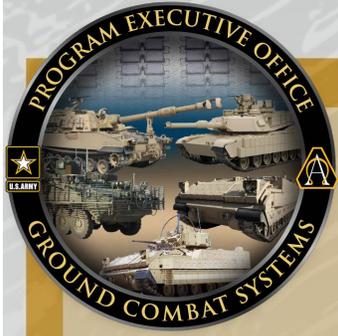


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Fire Support Vehicle (M1131A1 FSV, M1251 FSVV): The FSV/FSVV provides enhanced surveillance, target acquisition, target identification, target designation, and communications supporting the SBCT with "first round" fire-for-effect capability. It integrates the current M707 Striker Mission Equipment Package. The FSV provides the Fire Support Teams (FIST) with the capability to automate command and control functions, to perform fire support planning, directing, controlling and cross-functional area coordination, and execution.

Engineer Squad Vehicle (M1132 ESV, M1257 ESVV): The ESV/ESVV provides the Engineer Squad with highly mobile, protected transport to decisive locations on the battlefield to provide the required mobility and limited counter mobility support to the SBCT. Integrated into the vehicle are current obstacle neutralization and lane marking systems and mine detection devices.

Medical Evacuation Vehicle (M1133 MEV, M1254 MEVV): The MEV/MEVV is an ambulance platform variant within the Stryker FoV capable of transporting four (4) patients on standard NATO litters, or (6) ambulatory patients, in addition to an ambulance team of three. The MEV provides protection for the patient and medical team and can additionally provide medical evacuation to casualty collection points to higher level treatment centers.

Anti-Tank Guided Missile (M1134 ATGM, M1253 ATVV): The ATGM/ATVV is a long-range missile carrier which provides a Stryker brigade with anti-armor overmatch capabilities. Equipped with the heavy TOW anti-tank missiles, it is capable of destroying high value armored threats at extended ranges.

Nuclear, Biological, Chemical, Reconnaissance Vehicle (M1135 NBCRV): The NBCRV detects, and identifies chemical, biological and radiological hazards. It warns units of contamination, reports the location of hazards, marks areas of contamination, locates and marks clean bypass routes, and collects and transports samples of radiological, biological, and chemical material for later analysis.



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