Selected Acquisition Report (SAR)

RCS: DD-A&T(Q&A)823-299

STRYKER

As of December 31, 2011

Defense Acquisition Management
Information Retrieval
(DAMIR)

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Program Information

Designation And Nomenclature (Popular Name)

Stryker Family of Vehicles (STRYKER)

DoD Component

Army

Responsible Office

Responsible Office

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Date Assigned August 8, 2011

References

SAR Baseline (Production Estimate)

Defense Acquisition Executive (DAE) Approved Acquisition Program Baseline (APB) dated March 4, 2004

Approved APB

Defense Acquisition Executive (DAE) Approved Acquisition Program Baseline (APB) dated March 4, 2004

Mission and Description

Mission: The Stryker Family of Vehicles (excluding Double V-Hull (DVH)) is air transportable in a C-130 aircraft, capable of immediate employment upon arrival in the area of operations, and maximizes commonality among variants. The Stryker Brigade Combat Team (SBCT) provides an immediate improvement in national, conventional deterrence by establishing the capability to place a credible combat force on the ground anywhere in the world within 96 hours from liftoff. The BCT is a self-contained organization, which enhances strategic responsiveness by providing a base unit that is fully mobile and completely air deployable by C-130 tactical lift aircraft (excluding DVH). It is a force which is essential in providing the strategic responsiveness and full spectrum versatility demanded by the National Military Strategy.

System Description: The Stryker Family of Vehicles is comprised of 10 base variants and 8 DVH configurations:

(1) Infantry Carrier Vehicle (ICV) and ICV DVH (ICVV) - The SBCT mission, based on decisive action through dismounted infantry assault, mandates an ICV / ICVV capability to rapidly deploy an overmatching infantry force anywhere on the battlefield.

(2) Reconnaissance Vehicle (RV) and ICV DVH-Scout (ICVV-S) -The principal function of the RV / ICVV-S configurations are to provide an effective platform to enable the Reconnaissance, Surveillance, Target Acquisition (RSTA) Squadron and battalion scouts to perform reconnaissance and surveillance operations.

(3) Mortar Carrier (MC) and MCV DVH (MCVV) - The MC / MCVV provides immediate, responsive fire support to the SBCT in the conduct of fast paced offensive operations. These immediate, on-demand fires are critical to the ability of dismounted infantry to rapidly achieve decisive results.

(4) Commander's Vehicle (CV) and CV DVH (CVV) - The CV / CVV provides an operational platform for selected elements of command within the SBCT. Commanders must 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.

(5) Fire Support Vehicle (FSV) and FSV DVH (FSVV) - The FSV / FSVV provides enhanced surveillance, target acquisition, target identification, target designation, and communications to support the SBCT with "first round" fire for effect capability.

(6) Engineer Squad Vehicle (ESV) and ESV DVH (ESVV) - The ESV / ESVV provides the platform for the Engineer Company to provide the required mobility and limited counter mobility to support the SBCT.

(7) Medical Evacuation Vehicle (MEV) and MEV DVH (MEVV) - The MEV / MEVV integrates medical evacuation support into the SBCT as an essential element of the inter-netted combat forward formation.

(8) Anti-Tank Guided Missile Vehicle (ATGM) and ATGM DVH (ATVV) - The ATGM / ATVV provides the brigade's primary tank killing capability.

(9) Nuclear, Biological, Chemical Reconnaissance Vehicle (NBCRV) - The NBCRV, with its integral NBC Reconnaissance Sensor Suite, provides Chemical Biological Radiological Nuclear (CBRN) situational awareness and Detect to Warn via cooperative CBRN networks and reconnaissance to increase the combat power of the deployed force. The NBCRV was not required for Initial Operational Capability (IOC).

(10) Mobile Gun System (MGS) - The MGS supports assaulting infantry and is the key weapons overmatch platform to ensure mission success and survivability of the Combined Arms Company. The MGS was not required for IOC.

Executive Summary

Nine of the ten variants in the Stryker Family of Vehicles (FoV) are in Full Rate Production (FRP). The remaining variant, the Mobile Gun System (MGS), is in Extended Low Rate Initial Production (ELRIP). The Stryker program is also investigating possible courses of actions consistent with Army's overarching modernization program that may include the Stryker vehicle.

Stryker Double V-Hull (DVH): Starting with the first Stryker Brigade Combat Team (SBCT) Operation Iraqi Freedom (OIF) rotation (3/2 SBCT in 2004), a continuous succession of unit Operational Need Statement (ONS) requirements have resulted in the incorporation of a wide-range of additional capabilities on the Stryker vehicle. These added capabilities have ranged from improvements in Soldier survivability to the integration of critical Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) systems. The continuation of ONS requirements for increased survivability culminated in the Defense Acquisition Executive (DAE) authorization to develop the Stryker DVH vehicle (Acquisition Decision Memorandum (ADM) dated April 6, 2010, subject: Hull Survivability Enhancements for Stryker Vehicles (DVH)). Following the presentation of initial DVH live-fire and reliability testing results at the March 2, 2011 Configuration Steering Board (CSB), authorization was granted for the procurement of an initial buy of 450 Stryker DVH vehicles in the May 12, 2011 ADM that supported ongoing Operation Enduring Freedom (OEF) operations. As of January 31, 2012, the Army has taken delivery of 436 of the 450 DVH vehicles ordered. On September 18, 2011, the DAE authorized an additional 292 Stryker DVH vehicles (subject: Authorization for Additional Production of the Stryker DVH), deliveries of which are scheduled to start in March of 2012 and continue through June of 2013.

Modernization: On August 5, 2011, the Army held an Army System Acquisition Review Council (ASARC) and determined that the Stryker Modernization program was not affordable. The Project Manager, SBCT (PM SBCT) was directed to develop courses of action to execute a more limited upgrade as an Engineering Change Proposal (ECP) focused on integrating the future network. An ASARC is expected to be held in 2QFY 2012 to consider and act upon these courses of action. All funding associated with Stryker Modernization (currently Research, Development, Test & Evaluation (RDT&E) funds only) has been removed from this SAR as Stryker Modernization is not recognized as a Program Of Record (POR).

MGS: In September 2010, all stakeholders including the Vice Chief of Staff, Army (VCSA) were briefed on the status of the MGS. The CSB recommendation to the DAE was not to pursue FRP for the Stryker flat-bottom MGS. Reliability testing will continue as scheduled to validate mitigations/fixes of near and mid-term issues identified in August 2008 ADM and semi-annual reports to Congress. Pending results of DVH testing and Army approval of Stryker Modernization, the FRP date for MGS is to be determined.

NBCRV: On December 22, 2007, the Under Secretary of Defense, Acquisition, Technology and Logistics, signed an Acquisition Decision Memorandum (ADM) authorizing the purchase of an additional 95 NBCRV systems within an ELRIP strategy which required a reliability growth program and an additional Initial Operational Test (IOT) as defined in Revision 5 of the NBCRV Test and Evaluation Master Plan (TEMP). The reliability growth testing began on April 30, 2009. Per the test plan, an 8,000 mile off-ramp scoring conference was conducted on December 17, 2009. The NBCRV program met the off-ramp criteria established in the approved TEMP Revision 5 by exceeding the 1,333 Mean Miles Between System Abort (MMBSA) with 70% confidence, officially concluding the Reliability Growth Test. The required IOT II was conducted at Dugway Proving Ground, UT in September 2010, concluding all Operational Testing defined in Revision 5 of the NBCRV TEMP. The NBCRV TEMP Rev. 6 (approved by Director of Operational Test and Evaluation (DOT&E) on August 05, 2010) update added Stryker Reactive Armor Tile (SRAT) II test requirements. Controlled Damage Experiments, a component of the SRAT II Live Fire testing, started in November 2009 and was completed in January 2011. SRAT II Full Up System Level (FUSL) Live Fire was completed on the NBCRV in July 2011. The DAE and Overarching Integrated Product Team (OIPT) agreed that the current Slat armor Rocket Propelled Grenade (RPG) solution for the Stryker Family of Vehicles meets the survivability Key Performance Parameter (KPP) with limitations. SRAT II testing will continue and DOT&E will

provide a report to the DAE upon completion in the February 2013 timeframe. A successful Milestone III FRP decision culminated in a December 15, 2011 ADM authorizing full-rate production of the NBCRV.

Persuant to section 2433 of Title 10, United States Code, this will be the final Stryker program Selected Acquisition Report (SAR) submission as the program is currently 90.32% expended.

There are no signification software-related issues with the program at this time.

Threshold Breaches

APB Breaches		
Schedule		☑
Performance		☐
Cost	RDT&E	☑
	Procurement	☑
	MILCON	☐
	Acq O&M	☐
Unit Cost	PAUC	☐
	APUC	☐

Nunn-McCurdy Breaches		
Current UCR Baseline		
	PAUC	None
	APUC	None
Original UCR Baseline		
	PAUC	None
	APUC	None

Explanation of Breach

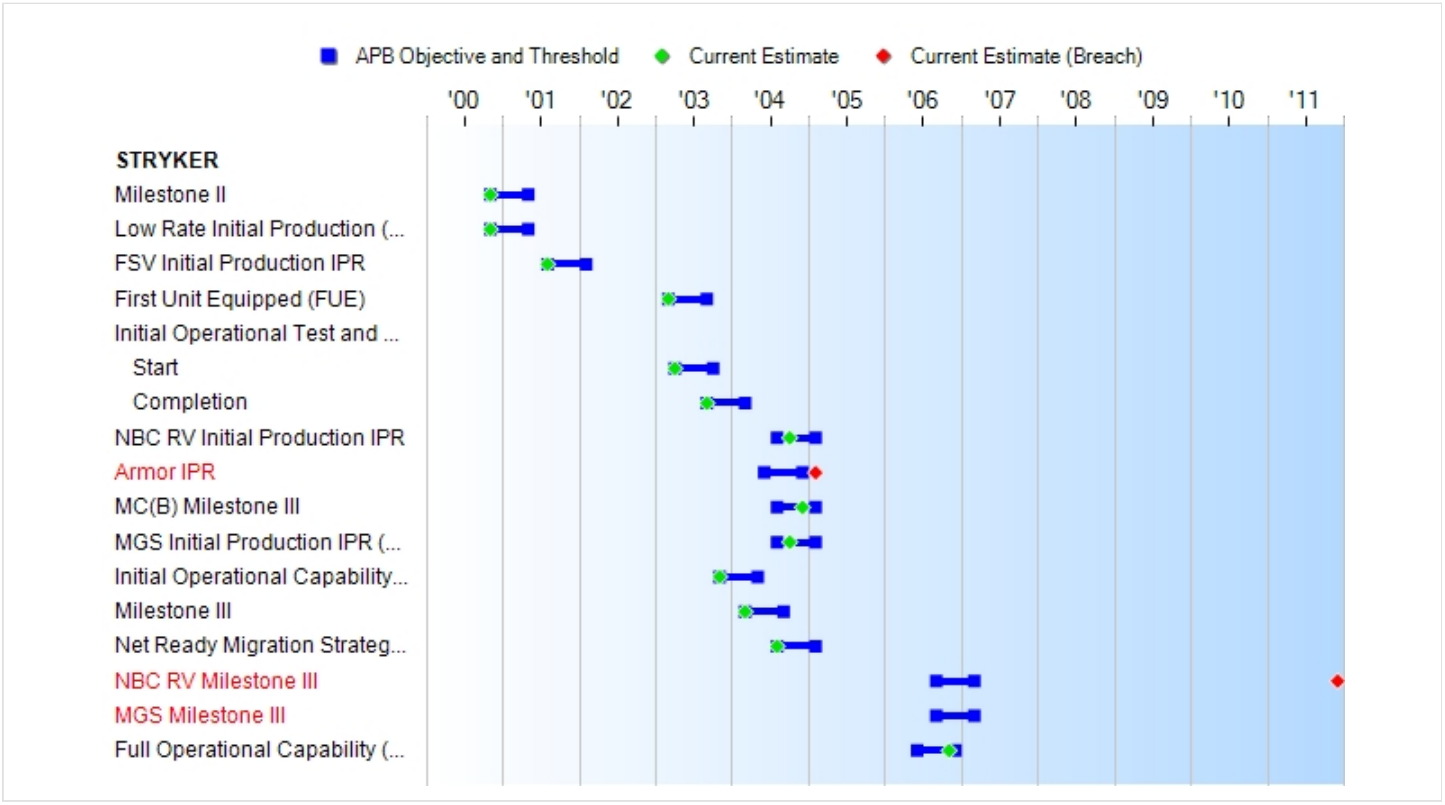
Please refer to the last SAR for a discussion of breaches through December 2010.

Schedule: There is a breach in schedule according to Stryker's last approved Acquisition Program Baseline (APB) dated March 2004. Although there is a schedule breach, the program did successfully attain Full Rate Production (FRP) approval for the Nuclear, Biological, Chemical Reconnaissance Vehicle (NBCRV) in December 2011. The Program Office is awaiting official guidance on the Mobile Gun System (MGS) program. The MGS FRP decision is currently to be determined.

Research, Development, Test, and Evaluation (RDT&E): Additional funds were added for the Double V Hull (DVH) development effort, further exacerbating the program's RDT&E cost breach against the last approved APB (March 2004).

Procurement: Additional funds were added to procure an additional quantity of 292 DVH vehicles in FY 2011, further adding to the procurement cost breach against the program's last approved APB (March 2004).

Schedule


APB Objective and Threshold
Current Estimate
Current Estimate (Breach)
'00
'01
'02
'03
'04
'05
'06
'07
'08
'09
'10
'11
STRYKER
Milestone II
Low Rate Initial Production (...
FSV Initial Production IPR
First Unit Equipped (FUE)
Initial Operational Test and ...
Start
Completion
NBC RV Initial Production IPR
Armor IPR
MC(B) Milestone III
MGS Initial Production IPR (...
Initial Operational Capability...
Milestone III
Net Ready Migration Strateg...
NBC RV Milestone III
MGS Milestone III
Full Operational Capability (...

Milestones	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Current Estimate	
Milestone II	NOV 2000	NOV 2000	MAY 2001	NOV 2000	
Low Rate Initial Production (LRIP)	NOV 2000	NOV 2000	MAY 2001	NOV 2000	
FSV Initial Production IPR	AUG 2001	AUG 2001	FEB 2002	AUG 2001	
First Unit Equipped (FUE)	MAR 2003	MAR 2003	SEP 2003	MAR 2003	
Initial Operational Test and Evaluation (IOT&E #1)					
Start	APR 2003	APR 2003	OCT 2003	APR 2003	
Completion	SEP 2003	SEP 2003	MAR 2004	SEP 2003	
NBC RV Initial Production IPR	AUG 2004	AUG 2004	FEB 2005	OCT 2004	
Armor IPR	JUN 2004	JUN 2004	DEC 2004	**FEB 2005** [1]	
MC(B) Milestone III	AUG 2004	AUG 2004	FEB 2005	DEC 2004	
MGS Initial Production IPR (Mobile Gun System)	AUG 2004	AUG 2004	FEB 2005	OCT 2004	
Initial Operational Capability (IOC)	NOV 2003	NOV 2003	MAY 2004	NOV 2003	
Milestone III	MAR 2004	MAR 2004	SEP 2004	MAR 2004	
Net Ready Migration Strategy IPR Decision	AUG 2004	AUG 2004	FEB 2005	AUG 2004	
NBC RV Milestone III	SEP 2006	SEP 2006	MAR 2007	**DEC 2011** [1]	(Ch-1)
MGS Milestone III	SEP 2006	SEP 2006	MAR 2007	**TBD** [1]	
Full Operational Capability (FOC): BDE #3	JUN 2006	JUN 2006	DEC 2006	NOV 2006	

[1] *APB Breach*

Acronyms And Abbreviations

BDE - Brigade
FSV - Fire Support Vehicle
IPR - In Progress Review
MC - Mortar Carrier
MGS - Mobile Gun System
NBCRV - Nuclear, Biological,Chemical, Reconnaissance Vehicle

Change Explanations

(Ch-1) The NBCRV Milestone III was changed from November 2010 to December 2011. The change is partially due to the delay of the Initial Operational Test Phase II (IOT II) which was originally scheduled for May 2010. The unit identified to take part in the IOT Phase II testing (2/25 Stryker Brigade Combat Team (SBCT)) was moved forward in the deployment rotation and was, therefore, relieved of its test support mission. A replacement unit (181st Chemical Company) was identified, but the earliest the unit was available and trained to participate in the NBCRV IOT II was September 2010. Additionally, Revision 6 of the NBCRV Test and Evaluation Master Plan (TEMP) included increased test requirements for Stryker Reactive Armor Tile (SRAT II). A Full Rate Production decision for the NBCRV was planned upon the completion of SRAT II testing and IOT Phase II.

Performance

Characteristics	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Demonstrated Performance	Current Estimate
Interoperability*	Host and integrate planned C4ISR systems	Host and integrate planned C4ISR systems	Host and integrate existing Army C4ISR systems (EPLRS, FBCB2, ABCS, WIN-T Subscriber Node)	Demonstrated in IOT&E, host and integrate planned C4ISR systems	Host and integrate planned C4ISR systems
Transportability:					
Air Transportation*	Transportable in a C-130 aircraft & combat ready on exit	Transportable in a C-130 aircraft & combat ready on exit	Transportable on a C-130 aircraft & combat ready on exit (full basic load not req'd)	Mar 07, all 10 configurations have been certified	Transportable in a C-130 aircraft & combat ready on exit
MGS Lethality*	Defeat std infantry bunker and create opening for infantry in double reinforced concrete wall	Defeat std infantry bunker and create opening for infantry in double reinforced concrete wall	Defeat std infantry bunker and create opening for infantry in double reinforced concrete wall	Demonstrated in test, Feb 04	Defeat std infantry bunker and create opening for infantry in double reinforced concrete wall
ICV/ESV Squad Carrying*	10 soldiers and 2 crew members, with individual eqmt	10 soldiers and 2 crew members, with individual eqmt	Infantry Squad (9 soldiers) and 2 crew members, with individual eqmt	Demonstrated in PVT, 10 soldiers and 2 crew members with individual equipment	10 soldiers and 2 crew members, with individual eqmt
Reliability: (Less GFE)					
MMBCF	2000 MMBCF	2000 MMBCF	80% confidence of achieving 1000 MMBCF	Demonstrated threshold during PVT	2000 MMBCF
Supportability (Commonality)	Maintain Commonality baseline in	Maintain Commonality baseline in	Support characteristics	Demonstrated	Maintain Commonality baseline in

	contract with fielding of IAV Block Improvements	contract with fielding of IAV Block Improvements	established in IAV contract		contract with fielding of IAV Block Improve-ments
Mobility					
Cruising Range	300 miles w/o refueling	300 miles w/o refueling	300 miles w/o refueling	Demonstrat-ed in PVT	300 miles w/o refueling
Sustained Hard Surface Speed	40 mph	40 mph	40 mph	Demonstrat-ed in PVT	40 mph
Survivability:	Overhead crew protection against XXX at [Classified] meters; all around crew protection against blast and over-pressure effects of XXX explosive	Overhead crew protection against XXX at [Classified] meters; all around crew protection against blast and over-pressure effects of XXX explosive	Integral frontal, side, rear, and overhead protection from XXX at [Classified] meters; overhead crew protection against XXX at [Classified] meters; all around crew protection against blast and over-pressure effects of XXX XXX	Demonstrat-ed threshold during Ballistic acceptance test of production vehicles and LFT&E	Overhead crew protection against XXX at [Classified] meters; all around crew protection against blast and over-pressure effects of XXX explosive
Combat Capability:					
FUE	2 Company Teams equipped with IC V, MC, CV, FSV, MGS	2 Company Teams equipped with ICV, MC, CV, FSV, MGS	2 Company Teams equipped with ICV, MC, CV	Mar 03, demonstrat-ed	2 Company Teams equipped with ICV, MC, CV, FSV, MGS
IOC	Brigade equipped with IC V, RV, MC, CV, FSV, ESV, MEV, AT GM, MGS	Brigade equipped with ICV, RV, MC, CV, FSV, ESV, MEV, ATGM, MGS	Brigade equipped with ICV, RV, MC, CV, ESV, MEV, ATGM	Oct 03, demonstrat-ed	Brigade equipped with ICV, RV, MC, CV, FSV, ESV, MEV, ATGM, MGS
ATGM Antitank Capability	Host next generation of fire & forget and LOSAT missiles	Host next generation of fire & forget and LOSAT missiles	Integrate IBAS/ITAS or equiv w/equal target acquisition capability	Demonstrat-ed in PVT	Host next generation of fire & forget and LOSAT missiles

FSV: Target Acquisition accuracy of Sensor	Integrate a lt-wt laser designator / Range-finder MEP	Integrate a lt-wt laser designator/Range-finder MEP	Integrate M707 Striker MEP with current functions	Demonstrat-ed in PVT	Integrate M707 Striker MEP with current functions
ESV: Obstacle Neutralization	Integrate emerging mine detection devices	Integrate emerging mine detection devices	Integrate existing obstacle neutralization, & lane marking, and mine detection devices	Lane marking demonstrat-ed in PVT. Mine detection is moved to a blk upgrade	Integrate existing obstacle neutralization, & lane marking, and mine detection devices
RV	OSP must operate on the move / incorporate masted sensor & target at a platform height of 5-10m	OSP must operate on the move/incorporate masted sensor & target at a platform height of 5-10m	Host, integrate & fully employ LRAS3	Demonstrat-ed in PVT	Host, integrate & fully employ LRAS3.

Requirements Source: The Stryker Operational Requirements Document (ORD) Change 1, dated March 31, 2000.

Acronyms And Abbreviations

ABCS - Army Battle Command System
AP - Anti-Personnel
ATGM - Anti-Tank Guided Missile
C4ISR - Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance
CV - Commander's Vehicle
EPLRS - Enhanced Position Location Reporting System
ESV - Engineer Squad Vehicle
FBCB2 - Future Battle Command Brigade and Below
FSV - Fire Support Vehicle
FUE - First Unit Equipped
GFE - Government Furnished Equipment
IAV - Interim Armored Vehicle
IBAS - Improved Bradley Acquisition System
ICV - Infantry Carrier Vehicle
IOC - Initial Operational Capability
IOTE - Initial Operational Test Evaluation
ITAS - Improved Target Acquisition System
LFTE - Live Fire Test Evaluation
LOSAT - Line-of-Sight Anti-Tank
LRAS3 - Long Range Advanced Scout Surveillance System
MC - Mortar Carrier
MEP - Mission Equipment Package
MEV - Medical Evacuation Vehicle

MGS - Mobile Gun System
MMBCF - Mean Miles Between Critical Failures
OSP - Objective Sensor Package
PVT - Production Verification Test
RV - Reconnaissance Vehicle
WIN-T - Warfighter Information Network - Tactical

Change Explanations

None

Memo

* Key Performance Parameters (KPPs)

Track To Budget

General Memo

The current estimate for Research, Development, Test, and Evaluation (RDT&E) reflects FY 2013 President's Budget adjusted to exclude costs associated with the Stryker Modernization Program (RDT&E), project C51. The current Modernization Program funding ($254.9M TY$) is excluded from the SAR report. This allows the focus to remain on the base Stryker program and Double V Hull (DVH), projects C03 and VT2. In previous SAR reports, the C03 and VT2 were shared RDT&E funding lines.

The current estimate for Procurement reflects funding associated with the Stryker vehicle base and DVH programs (G85100 - Vehicle procurement line; GE0180 - Stryker spares line). The vehicle funding associated with the Stryker Spares line is FY2012: $99.6M, and FY2013: $31.2M. GE0150 is the parent line to GE0180. In the FY 2011 President's Budget a new procurement budget line was established for Stryker Modification efforts, GM0100 (excluded from SAR). In previous SAR reports, the G85100 was a shared procurement funding line.

RDT&E

APPN 2040	BA 04	PE 0603653A	(Army)	
	Project C03	Advanced Tank Armament System/Stryker Vehicle		
	Project VT2	Advanced Tank Armament		(Sunk)

Procurement

APPN 2033	BA 01	PE 0211705A	(Army)	
	ICN G85100	Stryker Vehicle	(Shared)	
APPN 2033	BA 03	PE 0211705A	(Army)	
	ICN GE0180	Stryker Vehicle Spares	(Shared)	

MILCON

APPN 2050	BA 01	PE 0022096A	(Army)	
		MILCON	(Shared)	(Sunk)
	Facility requirements in support of Army Modular Force (AMF.)			
APPN 2050	BA 01	PE 0022212A	(Army)	
		MILCON	(Shared)	(Sunk)
	Facility requirements in support of AMF			
APPN 2050	BA 01	PE 0022396A	(Army)	

		MILCON	(Shared)	(Sunk)
	Facility requirements in support of AMF			
APPN 2050	BA 01	PE 0022696A	(Army)	
		MILCON	(Shared)	(Sunk)
	Facility requirements in support of AMF			
APPN 2050	BA 01	PE 0078018A	(Army)	
		MILCON	(Shared)	(Sunk)
	Facility requirements in support of AMF			
APPN 2050	BA 01	PE 0202096A	(Army)	
		MILCON	(Shared)	(Sunk)
	Facility requirements in support of AMF			
APPN 2050	BA 01	PE 0505896A	(Army)	
		MILCON	(Shared)	(Sunk)
	Facility requirements in support of AMF			

Cost and Funding

Cost Summary

Total Acquisition Cost and Quantity

	BY2004 $M			BY2004 $M	TY $M		
Appropriation	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Current Estimate	SAR Baseline Prod Est	Current APB Production Objective	Current Estimate
RDT&E	678.6	678.6	746.5	**1001.6** [1]	675.6	675.6	1056.1
Procurement	6327.0	6327.0	6959.7	**13295.7** [1]	6525.8	6525.8	14733.7
Flyaway	5519.0	--	--	9986.1	5687.7	--	11006.4
Recurring	4656.1	--	--	8088.2	4799.2	--	8882.3
Non Recurring	862.9	--	--	1897.9	888.5	--	2124.1
Support	808.0	--	--	3309.6	838.1	--	3727.3
Other Support	763.1	--	--	2936.8	792.8	--	3297.5
Initial Spares	44.9	--	--	372.8	45.3	--	429.8
MILCON	1271.3	1271.3	1398.4	447.4	1333.3	1333.3	490.2
Acq O&M	0.0	0.0	--	0.0	0.0	0.0	0.0
Total	8276.9	8276.9	N/A	14744.7	8534.7	8534.7	16280.0

[1] ***APB Breach***

The current estimate for Research, Development, Test, and Evaluation (RDT&E) reflects FY 2013 President's Budget (Locked) adjusted to exclude costs associated with the Stryker Modernization Program (RDT&E), Project C51. The current Modernization Program funding of $254.9M TY$, is excluded from the SAR report. This allows the focus to remain on the base Stryker program and Double V Hull, Project C03 and VT2.

The PM's current estimate for procurement reflects funding lines for the Stryker base program, G85100, and Stryker vehicle spares, GE0180. In FY 2012, the procurement budget line for Stryker Modification efforts (GM0100) was established. The GM0100 modifications are excluded for this SAR. All modifications in G85100 prior to the establishment of GM0100 ($2,569.4M TY$) and procurement funded Contractor Logistics Support (CLS) costs ($265M TY$) totaling $2,834.4M TY$ remain included as an acquisition cost in this report. The $2,834.4M attributed to the modifications and the procurement funded CLS costs explain the differences between the SAR and the proposed APB.

The MILCON estimate for the March 2004 Stryker Acquisition Program Baseline was constructed considering all MILCON projects that were associated with the location hosting a Stryker brigade. During the Cost Review Board Working Group for the NBCRV Full Rate Production Decision, a decision was made that a more accurate depiction of the acquisition cost would be to focus on the MILCON projects that are required due to the introduction of the Stryker Family of Vehicles (e.g. maintenance facilities). This was reflected as the current estimate in the APB, and has significantly reduced the number of projects and costs included.

Quantity	SAR Baseline Prod Est	Current APB Production	Current Estimate
RDT&E	10	10	29
Procurement	2086	2086	4507
Total	2096	2096	4536

The increase of 301 total vehicles since the last SAR is due to the procurement of 19 DVH prototypes used in testing and log demo, the added requirement to procure a 2nd brigade (quantity 292) of Double-V Hull (DVH) vehicles, and the removal of FY13 funding to procure a quantity of 10 Nuclear, Biological, Chemical Reconnaissance Vehicles (NBCRVs).

Cost and Funding

Funding Summary

Appropriation and Quantity Summary
FY2013 President's Budget / December 2011 SAR (TY$ M)

Appropriation	Prior	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	To Complete	Total
RDT&E	1013.5	22.5	14.3	5.8	0.0	0.0	0.0	0.0	1056.1
Procurement	13535.3	706.5	318.0	99.4	74.5	0.0	0.0	0.0	14733.7
MILCON	490.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	490.2
Acq O&M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PB 2013 Total	15039.0	729.0	332.3	105.2	74.5	0.0	0.0	0.0	16280.0
PB 2012 Total	15331.1	826.6	829.5	94.8	0.7	0.7	0.0	0.0	17083.4
Delta	-292.1	-97.6	-497.2	10.4	73.8	-0.7	0.0	0.0	-803.4

The PM's RDT&E current estimate and funding was adjusted to exclude costs associated with the Stryker Modernization Program, project C51. The exclusion of Stryker Modernization allows the focus to remain on the base Stryker Program.

The PM's Procurement current estimate and funding was adjusted to exclude costs associated with Stryker Modification efforts (SSN: GM0100). GM0100 was established in FY 2012. The Stryker Vehicle line (SSN: G85100) and the Stryker Vehicle Spares line (SSN: GE0180) remain for vehicle and initial spares purchases and are thus included this report. All previous modifications in G85100 remain included in this report.

Quantity	Undistributed	Prior	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	To Complete	Total
Development	29	0	0	0	0	0	0	0	0	29
Production	0	4349	100	58	0	0	0	0	0	4507
PB 2013 Total	29	4349	100	58	0	0	0	0	0	4536
PB 2012 Total	10	4057	100	68	0	0	0	0	0	4235
Delta	19	292	0	-10	0	0	0	0	0	301

Cost and Funding

Annual Funding By Appropriation

Annual Funding TY$
2040 | RDT&E | Research, Development, Test, and Evaluation, Army

Fiscal Year	Quantity	End Item Recurring Flyaway TY $M	Non End Item Recurring Flyaway TY $M	Non Recurring Flyaway TY $M	Total Flyaway TY $M	Total Support TY $M	Total Program TY $M
2000	--	--	--	--	--	--	14.6
2001	--	--	--	--	--	--	241.3
2002	--	--	--	--	--	--	100.0
2003	--	--	--	--	--	--	148.1
2004	--	--	--	--	--	--	58.1
2005	--	--	--	--	--	--	53.4
2006	--	--	--	--	--	--	35.4
2007	--	--	--	--	--	--	8.4
2008	--	--	--	--	--	--	32.6
2009	--	--	--	--	--	--	118.7
2010	--	--	--	--	--	--	67.3
2011	--	--	--	--	--	--	135.6
2012	--	--	--	--	--	--	22.5
2013	--	--	--	--	--	--	14.3
2014	--	--	--	--	--	--	5.8
Subtotal	**29**	**--**	**--**	**--**	**--**	**--**	**1056.1**

Annual Funding BY$
2040 | RDT&E | Research, Development, Test, and Evaluation, Army

Fiscal Year	Quantity	End Item Recurring Flyaway BY 2004 $M	Non End Item Recurring Flyaway BY 2004 $M	Non Recurring Flyaway BY 2004 $M	Total Flyaway BY 2004 $M	Total Support BY 2004 $M	Total Program BY 2004 $M
2000	--	--	--	--	--	--	15.2
2001	--	--	--	--	--	--	248.7
2002	--	--	--	--	--	--	101.9
2003	--	--	--	--	--	--	148.2
2004	--	--	--	--	--	--	56.8
2005	--	--	--	--	--	--	50.7
2006	--	--	--	--	--	--	32.7
2007	--	--	--	--	--	--	7.6
2008	--	--	--	--	--	--	28.9
2009	--	--	--	--	--	--	103.8
2010	--	--	--	--	--	--	57.9
2011	--	--	--	--	--	--	114.4
2012	--	--	--	--	--	--	18.6
2013	--	--	--	--	--	--	11.6
2014	--	--	--	--	--	--	4.6
Subtotal	**29**	**--**	**--**	**--**	**--**	**--**	**1001.6**

Research, Development, Test and Evaluation (RDT&E) funding reflects FY 2013 President's Budget (Locked) adjusted to exclude costs associated with the Stryker Modernization Program (RDT&E), project C51. The current Modernization Program funding ($254.9M TY$) is excluded from the SAR report. This allows the focus to remain on the base Stryker program and Double V Hull, projects C03 and VT2.

Annual Funding TY$
2033 | Procurement | Procurement of Weapons and Tracked Combat Vehicles, Army

Fiscal Year	Quantity	End Item Recurring Flyaway TY $M	Non End Item Recurring Flyaway TY $M	Non Recurring Flyaway TY $M	Total Flyaway TY $M	Total Support TY $M	Total Program TY $M
2000	7	17.6	--	3.6	21.2	0.8	22.0
2001	447	777.2	--	36.2	813.4	106.7	920.1
2002	300	410.7	--	159.8	570.5	68.5	639.0
2003	279	457.2	--	114.0	571.2	150.4	721.6
2004	413	740.9	--	100.6	841.5	120.5	962.0
2005	596	1079.4	--	213.9	1293.3	149.9	1443.2
2006	494	824.7	--	219.3	1044.0	265.4	1309.4
2007	220	403.8	--	247.6	651.4	807.6	1459.0
2008	790	1540.6	--	183.6	1724.2	1039.0	2763.2
2009	418	1037.3	--	186.3	1223.6	173.4	1397.0
2010	93	200.9	--	168.5	369.4	143.4	512.8
2011	292	762.4	--	160.8	923.2	462.8	1386.0
2012	100	418.0	--	153.9	571.9	134.6	706.5
2013	58	211.6	--	62.7	274.3	43.7	318.0
2014	--	--	--	66.4	66.4	33.0	99.4
2015	--	--	--	46.9	46.9	27.6	74.5
Subtotal	**4507**	**8882.3**	**--**	**2124.1**	**11006.4**	**3727.3**	**14733.7**

Annual Funding BY$
2033 | Procurement | Procurement of Weapons and Tracked Combat Vehicles, Army

Fiscal Year	Quantity	End Item Recurring Flyaway BY 2004 $M	Non End Item Recurring Flyaway BY 2004 $M	Non Recurring Flyaway BY 2004 $M	Total Flyaway BY 2004 $M	Total Support BY 2004 $M	Total Program BY 2004 $M
2000	7	18.2	--	3.8	22.0	0.8	22.8
2001	447	796.8	--	37.1	833.9	109.4	943.3
2002	300	415.3	--	161.6	576.9	69.3	646.2
2003	279	452.2	--	112.8	565.0	148.7	713.7
2004	413	713.2	--	96.8	810.0	116.0	926.0
2005	596	1011.1	--	200.4	1211.5	140.4	1351.9
2006	494	750.8	--	199.6	950.4	241.7	1192.1
2007	220	360.1	--	220.8	580.9	720.3	1301.2
2008	790	1355.0	--	161.5	1516.5	913.8	2430.3
2009	418	900.2	--	161.6	1061.8	150.5	1212.3
2010	93	170.9	--	143.4	314.3	122.0	436.3
2011	292	633.1	--	133.5	766.6	384.3	1150.9
2012	100	341.3	--	125.7	467.0	109.9	576.9
2013	58	170.0	--	50.4	220.4	35.1	255.5
2014	--	--	--	52.5	52.5	26.0	78.5
2015	--	--	--	36.4	36.4	21.4	57.8
Subtotal	**4507**	**8088.2**	**--**	**1897.9**	**9986.1**	**3309.6**	**13295.7**

The Stryker Modification line (GM0100) was established in FY2012. To be consistent with previous SAR submissions Modifications that were funded in the Stryker vehicle line (G85100) in FY2000-2011 are included in this report. Funding reflects the Stryker vehicle base and Double V Hull (DVH) line (G85100 - Vehicle Procurement) and the Stryker Spares line (GE0180). Modification efforts funded in Stryker Modification line (GM0100) are excluded

Annual Funding TY$
2050 | MILCON | Military Construction, Army

Fiscal Year	Total Program TY $M
2002	26.0
2003	62.5
2004	1.4
2005	113.3
2006	104.2
2007	113.5
2008	69.3
Subtotal	**490.2**

Annual Funding BY$
2050 | MILCON | Military Construction, Army

Fiscal Year	Total Program BY 2004 $M
2002	25.9
2003	60.8
2004	1.3
2005	104.2
2006	93.8
2007	100.7
2008	60.7
Subtotal	**447.4**

Reflects FY2013 President's Budget (Locked).

The MILCON estimate for the March 2004 Stryker Acquisition Program Baseline was constructed considering all MILCON projects that were associated with the Stryker brigade. During the Cost Review Board Working Group for the NBCRV Full Rate Production Decision it was decided that a more accurate depiction of the acquisition cost would be to focus on the MILCON projects that are required due to the introduction of the Stryker Family of Vehicles (e.g. maintenance facilities). This was reflected as the current estimate and has significantly reduced the number/costs of projects included.

Low Rate Initial Production

	Initial LRIP Decision	Current Total LRIP
Approval Date	11/15/2000	8/5/2008
Approved Quantity	968	1269
Reference	ADM	ADM
Start Year	2000	2000
End Year	2003	2008

The program's Low Rate Initial Production (LRIP) quantity for seven of the ten variants is 968, which was approved by the Defense Acquisition Executive (DAE) in November 2000. Subsequently, the Fire Support Vehicle's (FSV) In Progress Review approved 55 FSVs for LRIP. In October 2004, LRIP was approved for 17 Nuclear, Biological, Chemical Reconnaissance Vehicles (NBCRV) and 14 Mobile Gun Systems (MGS). In October 2005, authorization of production of 58 MGS vehicles was granted. In November 2007, the DAE approved extended LRIP for NBCRV of 95 vehicles. In August 2008, the DAE approved extended LRIP for MGS of 62 vehicles.

The current total LRIP quantity is more than 10% of the total production quantity. The DAE approved the LRIP quantity at various times as noted above. These quantities were approved to support fielding requirements, test, and deployment quantities.

Foreign Military Sales

Country	Date of Sale	Quantity	Total Cost $M	Memo
Israel	8/9/2004	3	3.7	3 Infantry Carrier Vehicles less the Remote Weapon Station, Contract DAAE07-00-D-M051, Delivery Order 0023, Mod 01.

Nuclear Cost

None

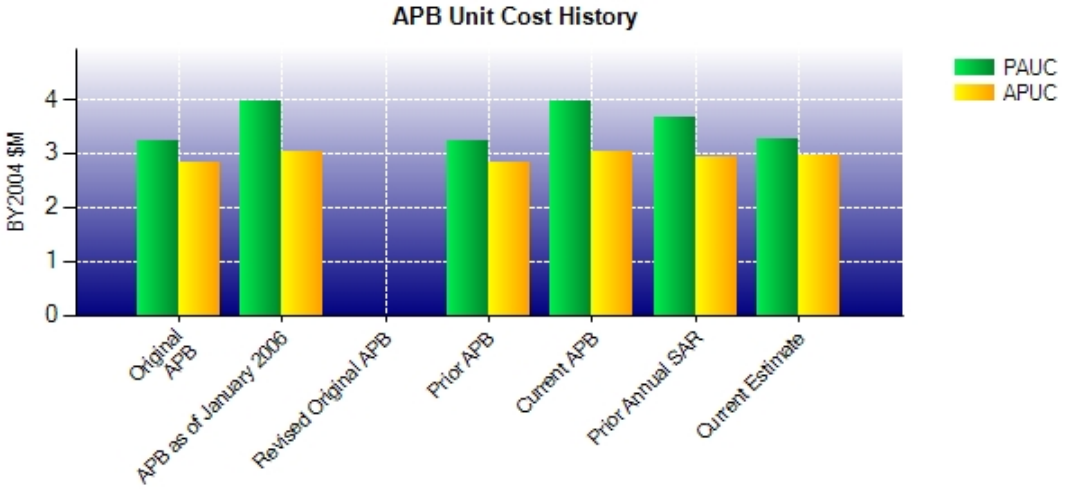
Unit Cost

Unit Cost Report

Unit Cost	BY2004 $M Current UCR Baseline (MAR 2004 APB)	BY2004 $M Current Estimate (DEC 2011 SAR)	BY % Change
Program Acquisition Unit Cost (PAUC)			
Cost	8276.9	14744.7	
Quantity	2096	4536	
Unit Cost	3.949	3.251	-17.68
Average Procurement Unit Cost (APUC)			
Cost	6327.0	13295.7	
Quantity	2086	4507	
Unit Cost	3.033	2.950	-2.74

Unit Cost	BY2004 $M Original UCR Baseline (NOV 2000 APB)	BY2004 $M Current Estimate (DEC 2011 SAR)	BY % Change
Program Acquisition Unit Cost (PAUC)			
Cost	6824.8	14744.7	
Quantity	2131	4536	
Unit Cost	3.203	3.251	+1.50
Average Procurement Unit Cost (APUC)			
Cost	6037.6	13295.7	
Quantity	2128	4507	
Unit Cost	2.837	2.950	+3.98

Unit Cost History



		BY2004 $M		TY $M	
	Date	PAUC	APUC	PAUC	APUC
Original APB	NOV 2000	3.218	2.838	3.341	2.956
APB as of January 2006	MAR 2004	3.949	3.033	4.072	3.128
Revised Original APB	N/A	N/A	N/A	N/A	N/A
Prior APB	NOV 2000	3.218	2.838	3.341	2.956
Current APB	MAR 2004	3.949	3.033	4.072	3.128
Prior Annual SAR	DEC 2010	3.671	2.926	4.034	3.212
Current Estimate	DEC 2011	3.251	2.950	3.589	3.269

SAR Unit Cost History

Initial SAR Baseline to Current SAR Baseline (TY $M)

Initial PAUC Dev Est	Changes								PAUC Prod Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
3.193	-0.077	0.111	0.004	0.006	0.896	0.000	-0.061	0.879	4.072

Current SAR Baseline to Current Estimate (TY $M)

PAUC Prod Est	Changes								PAUC Current Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
4.072	0.037	-0.591	-0.074	0.604	-1.049	0.000	0.589	-0.483	3.589

Initial SAR Baseline to Current SAR Baseline (TY $M)

Initial APUC Dev Est	Changes								APUC Prod Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
2.815	-0.069	0.079	0.004	-0.004	0.358	0.000	-0.055	0.313	3.128

Current SAR Baseline to Current Estimate (TY $M)

APUC Prod Est	Changes								APUC Current Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
3.128	0.025	-0.077	-0.074	0.495	-0.820	0.000	0.593	0.141	3.269

SAR Baseline History

Item/Event	SAR Planning Estimate (PE)	SAR Development Estimate (DE)	SAR Production Estimate (PdE)	Current Estimate
Milestone I	N/A	N/A	N/A	N/A
Milestone II	AUG 2000	AUG 2000	NOV 2000	NOV 2000
Milestone III	N/A	SEP 2003	MAR 2004	MAR 2004
IOC	TBD	MAY 2003	NOV 2003	NOV 2003
Total Cost (TY $M)	352.5	8534.7	8534.7	16280.0
Total Quantity	N/A	2096	2096	4536
Prog. Acq. Unit Cost (PAUC)	N/A	4.072	4.072	3.589

Cost Variance

Cost Variance Summary

Summary Then Year $M				
	RDT&E	Proc	MILCON	Total
SAR Baseline (Prod Est)	675.6	6525.8	1333.3	8534.7
Previous Changes				
Economic	+1.5	+80.1	+43.2	+124.8
Quantity	+30.1	+6383.8	--	+6413.9
Schedule	+0.1	-310.5	--	-310.4
Engineering	+478.8	+2187.9	+3.0	+2669.7
Estimating	-155.9	-2359.8	+1102.3	-1413.4
Other	--	--	--	--
Support	--	+1064.1	--	+1064.1
Subtotal	+354.6	+7045.6	+1148.5	+8548.7
Current Changes				
Economic	+2.5	+30.5	+9.9	+42.9
Quantity	--	+842.8	--	+842.8
Schedule	--	-25.1	--	-25.1
Engineering	+29.6	+41.2	--	+70.8
Estimating	-6.2	-1336.6	-2001.5	-3344.3
Other	--	--	--	--
Support	--	+1609.5	--	+1609.5
Subtotal	+25.9	+1162.3	-1991.6	-803.4
Total Changes	+380.5	+8207.9	-843.1	+7745.3
CE - Cost Variance	1056.1	14733.7	490.2	16280.0
CE - Cost & Funding	1056.1	14733.7	490.2	16280.0

Summary Base Year 2004 $M				
	RDT&E	Proc	MILCON	Total
SAR Baseline (Prod Est)	678.6	6327.0	1271.3	8276.9
Previous Changes				
Economic	--	--	--	--
Quantity	+26.9	+5457.3	--	+5484.2
Schedule	--	-81.8	--	-81.8
Engineering	+417.3	+1872.1	+2.6	+2292.0
Estimating	-140.5	-2304.1	+931.3	-1513.3
Other	--	--	--	--
Support	--	+1090.7	--	+1090.7
Subtotal	+303.7	+6034.2	+933.9	+7271.8
Current Changes				
Economic	--	--	--	--
Quantity	--	+691.2	--	+691.2
Schedule	--	-11.8	--	-11.8
Engineering	+25.0	+33.8	--	+58.8
Estimating	-5.7	-1189.6	-1757.8	-2953.1
Other	--	--	--	--
Support	--	+1410.9	--	+1410.9
Subtotal	+19.3	+934.5	-1757.8	-804.0
Total Changes	+323.0	+6968.7	-823.9	+6467.8
CE - Cost Variance	1001.6	13295.7	447.4	14744.7
CE - Cost & Funding	1001.6	13295.7	447.4	14744.7

Previous Estimate: December 2010

RDT&E	$M	
Current Change Explanations	Base Year	Then Year
Revised escalation indices. (Economic)	N/A	+2.5
Adjustment to reflect prior years actual funding. (Estimating)	-4.0	-4.2
Additional testing requirements for Targeting Under Armor (TUA). (Estimating)	+0.1	+0.2
Adjustment for current and prior escalation. (Estimating)	-1.8	-2.2
Increase in Double-V Hull (DVH) development requirements. (Engineering)	+25.0	+29.6
RDT&E Subtotal	+19.3	+25.9

Procurement	$M	
Current Change Explanations	Base Year	Then Year
Revised escalation indices. (Economic)	N/A	+30.5
Total Quantity variance resulting from an increase of 282 Strykers from 4225 to 4507. (Subtotal)	+634.0	+773.3
Quantity variance resulting from an increase of 282 Strykers from 4225 to 4507. Total change represents an increase of 292 DVH Operation Enduring Freedom (OEF) Theater Provided Equipment (TPE) vehicles and a decrease of 10 Nuclear, Biological, Chemical Reconnaissance Vehicles (NBCRVs). (Quantity)	(+701.4)	(+855.5)
Allocation to Schedule resulting from Quantity change. (Schedule) (QR)	(-11.8)	(-14.4)
Allocation to Engineering resulting from Quantity change. (Engineering) (QR)	(+33.8)	(+41.2)
Allocation to Estimating resulting from Quantity change. (Estimating) (QR)	(-89.4)	(-109.0)
New Additional Quantity Change. (Quantity) (QR)	-10.2	-12.7
Acceleration of procurement buy profile. (Schedule)	0.0	-10.7
Decrease to reflect prior year funding actuals, and due to recategorizing deployment kits from Recurring Flyaway to Other Support. (Estimating)	-1123.1	-1260.5
Increase in Systems Engineering and Program Management (SE/PM) support due to additional vehicle fielding schedule. (Estimating) (QR)	+44.3	+58.4
Decrease of testing requirements to reflect latest program test schedule. (Estimating)	-4.4	-5.8
Adjustment for current and prior escalation. (Estimating)	-17.0	-19.7
Increase in Other Support. (Subtotal)	+1255.7	+1428.5
Increase due to recategorizing deployment kits from Recurring Flyaway to Other Support (+$1260.5M), new requirement to procure Stryker Reactive Armor Tiles (SRAT) for Chemical Company NBCRVs (+$29.6M), to reflect prior year funding actuals (+$66.4M) and decrease due to recategorizing wholesale pipeline from Other Support to Initial Spares (-$197.6M). (Support)	(+1033.4)	(+1158.9)
Increase due to additional requirements for DVH Deployment Kits related to the added procurement of 292 DVH Strykers (+$250.4M), as well as increased requirements for New Equipment Training (NET) and Post Deployment Software Support (PDSS) related to the procurement of additional vehicles (+$25.7M) and decrease associated with training device hardware related to the removal of funding for 10 NBCRVs (-$6.5M). (Support) (QR)	(+222.3)	(+269.6)
Increase in Initial Spares. (Subtotal)	+159.7	+186.8
Increase due to recategorizing wholesale pipeline spares from Other Support to Initial Spares (+$194.1M), decrease to reflect prior year funding actuals (-$51.3M), and removal of procurement requirement to refresh Authorized Stockage Lists (ASL) (-$2.1M). (Support)	(+121.4)	(+140.7)

Increase in Initial Spares related to the procurement of an additional 292 DVH Strykers. (Support) (QR)	(+38.3)	(+46.1)
Adjustment for current and prior escalation. (Support)	-4.5	-5.8
Procurement Subtotal	+934.5	+1162.3

(QR) Quantity Related

MILCON	**$M**	
Current Change Explanations	**Base Year**	**Then Year**
Revised escalation indices. (Economic)	N/A	+9.9
Updated MILCON Projects during the development of the Army Cost Position to reflect projects relating only to introduction to Stryker vehicles rather than Stryker Brigade. (Estimating)	-1754.9	-1998.0
Adjustment for current and prior escalation. (Estimating)	-2.9	-3.5
MILCON Subtotal	-1757.8	-1991.6

Change Explanations Memo

The MILCON estimate for the Mar 2004 Stryker Acquisition Program Baseline was constructed considering all MILCON projects that were associated with the Stryker brigade. During the Cost Review Board Working Group for the NBCRV Full Rate Production Decision it was decided that a more accurate depiction of the acquisition cost would be to focus on the MILCON projects that are required due to the introduction of the Stryker Family of Vehicles (e.g. maintenance facilities). This was reflected as the current estimate and has significantly reduced the number/costs of projects included.

Contracts

Appropriation: Procurement

Contract Name	**Stryker Follow-on Requirements Contract**
Contractor	General Dynamics
Contractor Location	Sterling Heights, MI 48315
Contract Number, Type	W56HZV-07-D-M112, CPFF/FFP
Award Date	December 20, 2006
Definitization Date	December 20, 2006

Initial Contract Price ($M)			Current Contract Price ($M)			Estimated Price At Completion ($M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
82.3	N/A	0	8326.7	N/A	1693	8326.7	8326.7

Cost And Schedule Variance Explanations

Cost and Schedule variance reporting is not required on this CPFF/FFP contract.

Contract Comments

The difference between the initial contract price target and the current contract price target is due to the addition of delivery orders awarded to procure vehicles in FYs 2008 - 2012, order Stryker Reactive Armor Tile (SRAT) II hardware, and order Operation Iraqi Freedom (OIF) and Operation Enduring Freedom (OEF) survivability and modification kits.

The Stryker Follow-on Requirements Contract is an overarching follow-on requirements contract covering FY 2008 - FY 2012. It is executed through delivery orders (DOs). The activities being performed under the DOs are vehicle buys, Stryker Reactive Armor Tile (SRAT) II hardware procurement, Contract Logisitics Support (CLS), Logistic Engineering Support (LES), Systems Engineering Support (SES), deprocessing and New Equipment Training (NET), Contractor Program Management, retrofit, and Operation Iraqi Freedom (OIF) and Operation Enduring Freedom (OEF) survivability and modification kits. The DOs are primarily executed on a yearly basis and therefore the contract price will continue to increase every year.

Deliveries and Expenditures

Deliveries To Date	Plan To Date	Actual To Date	Total Quantity	Percent Delivered
Development	29	29	29	100.00%
Production	4449	4025	4507	89.31%
Total Program Quantities Delivered	4478	4054	4536	89.37%

Expenditures and Appropriations (TY $M)			
Total Acquisition Cost	16280.0	Years Appropriated	13
Expenditures To Date	14703.5	Percent Years Appropriated	81.25%
Percent Expended	90.32%	Appropriated to Date	15768.0
Total Funding Years	16	Percent Appropriated	96.86%

Expenditures to Date reflect all Stryker Research, Development, Test and Evaluation (RDT&E), Weapon and Tracked Combat Vehicle (WTCV), and Military Construction (MILCON) appropriation obligations, excluding costs associated with the Stryker Modernization Program and modifications. These obligations supported non-recurring Engineering Manufacturing Development (EMD) efforts for 10 Stryker vehicle variants, to include 8 DVH configurations, as well as the production and fielding of Stryker vehicles to support 9 Stryker Brigades, Ready to Fight requirements, Operational Readiness Float requirements, battle/combat loss replacements, Table of Distribution Allowance (TDA) requirements, and Theater Provided Equipment (TPE) sets. The program is currently 90.32% expended. Therefore, this will be the final Stryker SAR submission.

Delivery and Expenditure data is as of February 17, 2012.

Operating and Support Cost

Assumptions And Ground Rules
The Operating and Support (O&S) cost estimate is based on a December 2011 Army Cost Position developed to support the Nuclear, Biological, Chemical Reconnaissance Vehicle Full Rate Production decision. The O&S cost assumes an average annual operating tempo of 1,402 miles, an operating life of 20 years, and reflects an average of the 10 Stryker variants. Estimates reflect a quantity of 4,536 vehicles and were developed in accordance with the Office of the Secretary of Defense, Cost Assessment and Program Evaluation (OSD CAPE) O&S Cost-Estimating Guide (March 2005). There is no antecedent for the Stryker program.

Costs BY2004 $K		
Cost Element	**STRYKER Average Annual Cost Per Vehicle**	**N/A**
Unit-Level Manpower	447.6	--
Unit Operations	16.8	--
Maintenance	135.7	--
Sustaining Support	91.8	--
Continuing System Improvements	33.6	--
Indirect Support	0.0	--
Other	0.0	--
Total Unitized Cost (Base Year 2004 $)	725.5	--

Total O&S Costs $M	STRYKER	N/A
Base Year	65813.4	--
Then Year	90057.0	--

Demilitarization / Disposal lifecycle costs are estimated to be $283.99M (BY 2004) and are included in the O&S estimate.