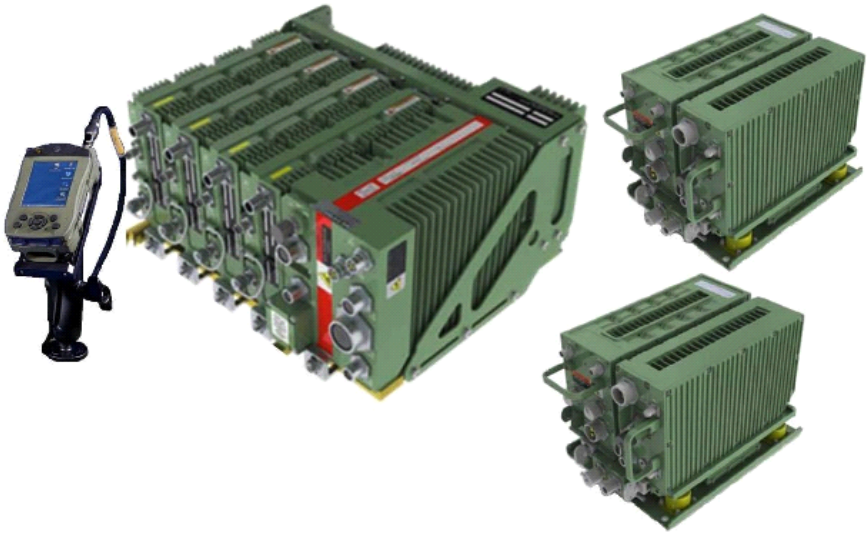
Selected Acquisition Report (SAR)

RCS: DD-A&T(Q&A)823-360



JTRS GMR

As of December 31, 2011

Defense Acquisition Management
Information Retrieval
(DAMIR)

Table of Contents

Program Information

Designation And Nomenclature (Popular Name)

Joint Tactical Radio System Ground Mobile Radio (formerly Cluster 1) (JTRS GMR)

DoD Component

DoD

Joint Participants

US Army; US Navy; US Air Force; US Marine Corps; Army is the lead Component per SECDEF Memo dated August 31, 2009

Responsible Office

Responsible Office

COL Gregory Fields
33050 Nixie Way
Bldg. 17B, Suite 121
San Diego, CA 92147
gregory.m.fields@us.army.mil

Phone 619-524-5765
Fax 619-524-5770
DSN Phone --
DSN Fax --
Date Assigned August 28, 2009

References

SAR Baseline (Development Estimate)

Defense Acquisition Executive (DAE) Approved Acquisition Program Baseline (APB) dated June 24, 2002

Approved APB

Defense Acquisition Executive (DAE) Approved Acquisition Program Baseline (APB) dated January 16, 2008

Mission and Description

The Joint Tactical Radio Systems (JTRS) Ground Mobile Radios (GMR) will enable the Services to acquire and field a family of affordable, scalable, high capacity, interoperable radio sets based on a common set of JTRS Application Programming Interfaces (APIs) developed in accordance with the JTRS Software Communications Architecture (SCA). The JTRS is a key enabler of the DOD and Army Transformation and will provide critical communications capabilities across the full spectrum of operations in a Joint environment. It is a Joint program encompassing the incorporation of the JTRS Network Enterprise Domain (NED) developed waveforms (porting) and Ground Vehicular applications.

Executive Summary

On October 13, 2011, the Under Secretary of Defense for Acquisition, Technology and Logistics (USD (AT&L)) notified Congress that the Joint Tactical Radio Systems Ground Mobile Radios (JTRS GMR) program is canceled; therefore, this is the final SAR submission for JTRS GMR.

In May 2011, the USD (AT&L) initiated a comprehensive reassessment of the GMR program due to a Nunn-McCurdy breach. A quarterly exception SAR was submitted in June 2011 to report the Nunn-McCurdy breach. The immediate cause of the breach was the reduction in quantity from 86,209 to 10,293, due to a revised Basis of Issue based on a new Operational Network Architecture and the cancellation of the Future Combat System. The Nunn-McCurdy breach was reported to Congress in the June 2011 SAR.

On October 14, 2011, a Nunn-McCurdy review Acquisition Decision Memorandum (ADM) was released that detailed the outcome of the reassessment of the GMR program. Conclusions of the reassessment did not support certification of the program, thereby cancelling it.

The ADM directed the program to continue with completion and closeout activities of the existing GMR System Development and Demonstration (SDD) contract. The Program Management Office (PMO) is to identify critical deliverables such as hardware, design specifications, instrumentation, modeling tools, simulators, etc. for delivery to the Government in order to assure their delivery and acceptance prior to contract expiration in March 2012.

The ADM also included direction to complete National Security Administration (NSA) certification of the current radio, operating environment, and Wideband Networking Waveform (WNW). These products are essential to facilitate future acquisitions in support of operational requirements.

There are no significant software-related issues with this 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	Critical
	APUC	None
Original UCR Baseline		
	PAUC	Critical
	APUC	None

Explanation of Breach

Schedule: The schedule breach was previously reported in the June 2011 SAR.

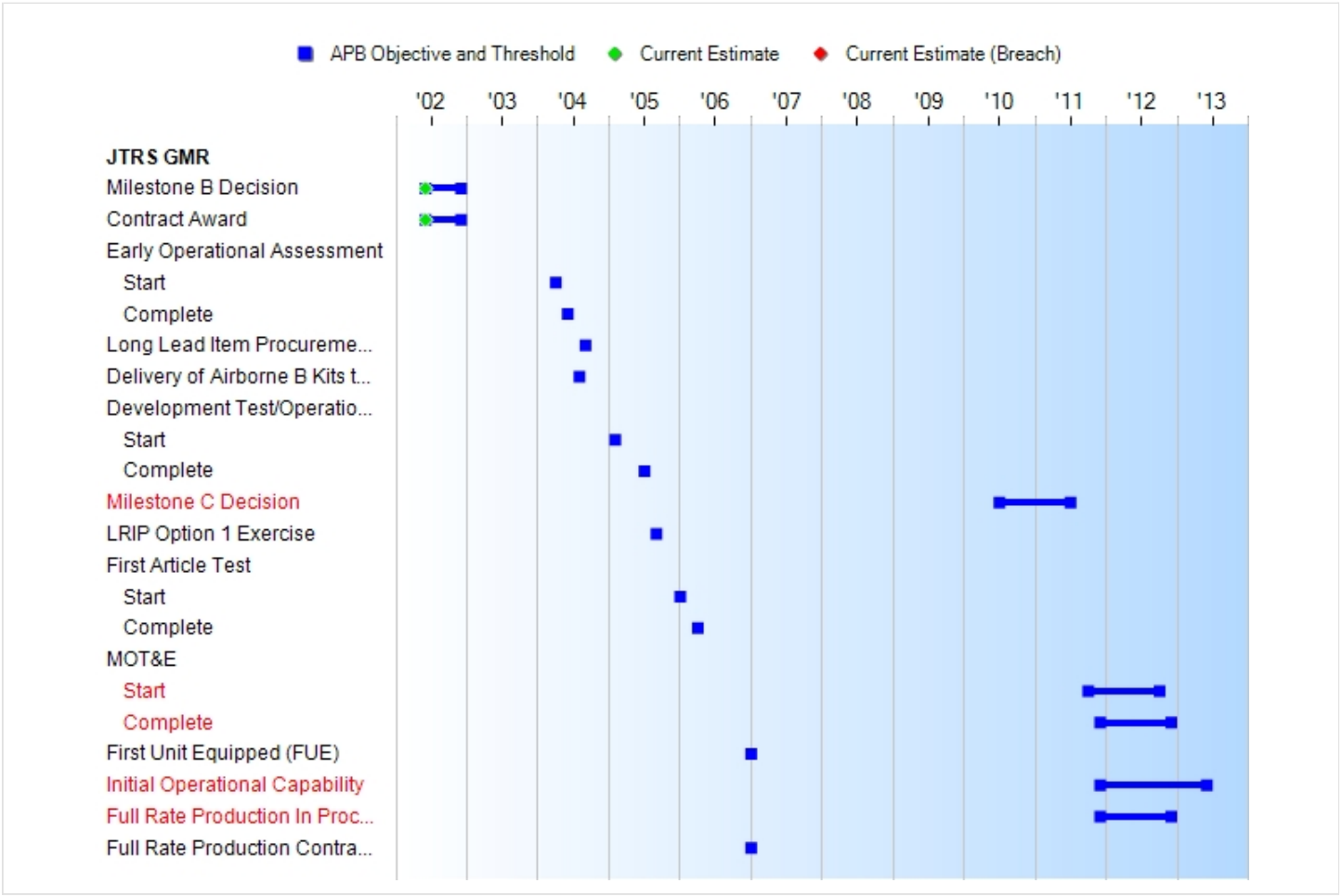
Cost: The RDT&E cost breach was previously reported in the June 2011 SAR.

Unit Cost: A critical PAUC Nunn-McCurdy unit cost breach was previously reported in the June 2011 SAR against the current and original baselines. A significant APUC Nunn-McCurdy unit cost breach was previously reported in the June 2011 SAR against the current and original baselines.

The necessary review processes to address the Nunn-McCurdy certification criteria were implemented. Based on findings and facts of the Integrated Product Teams (IPTs), the Milestone Decision Authority (MDA) issued an Acquisition Decision Memorandum (ADM) on October 14, 2011 to not certify the continuation of the JTRS GMR Program. The ADM also included direction to complete National Security Administration (NSA) certification of the current radio, operating environment, and Wideband Networking Waveform (WNW). These products are essential to facilitate future acquisitions in support of operational requirements.

On October 13, 2011, the Under Secretary of Defense for Acquisition, Technology and Logistics (USD(AT&L)) notified Congress that the GMR program is canceled.

Schedule


APB Objective and Threshold
Current Estimate
Current Estimate (Breach)
'02
'03
'04
'05
'06
'07
'08
'09
'10
'11
'12
'13
JTRS GMR
Milestone B Decision
Contract Award
Early Operational Assessment
Start
Complete
Long Lead Item Procureme...
Delivery of Airborne B Kits t...
Development Test/Operatio...
Start
Complete
Milestone C Decision
LRIP Option 1 Exercise
First Article Test
Start
Complete
MOT&E
Start
Complete
First Unit Equipped (FUE)
Initial Operational Capability
Full Rate Production In Proc...
Full Rate Production Contra...

Milestones	SAR Baseline Dev Est	Current APB Development Objective/Threshold		Current Estimate	
Milestone B Decision	JUN 2002	JUN 2002	DEC 2002	JUN 2002	
Contract Award	JUN 2002	JUN 2002	DEC 2002	JUN 2002	
Early Operational Assessment					
Start	APR 2004	N/A	N/A	N/A	
Complete	JUN 2004	N/A	N/A	N/A	
Long Lead Item Procurement Option 1 Approval OIPT	SEP 2004	N/A	N/A	N/A	
Delivery of Airborne B Kits to Aviation for Airworthiness Certification and Integration	AUG 2004	N/A	N/A	N/A	
Development Test/Operational Test/Limited User Test					
Start	FEB 2005	N/A	N/A	N/A	(Ch-1)
Complete	JUL 2005	N/A	N/A	N/A	(Ch-1)
Milestone C Decision	AUG 2005	JUL 2010	JUL 2011	**N/A** [1]	(Ch-1)
LRIP Option 1 Exercise	SEP 2005	N/A	N/A	N/A	(Ch-1)
First Article Test					
Start	JAN 2006	N/A	N/A	N/A	
Complete	APR 2006	N/A	N/A	N/A	
MOT&E					
Start	AUG 2006	OCT 2011	OCT 2012	**N/A** [1]	(Ch-1)
Complete	OCT 2006	DEC 2011	DEC 2012	**N/A** [1]	(Ch-1)
First Unit Equipped (FUE)	JAN 2007	N/A	N/A	N/A	(Ch-1)
Initial Operational Capability	N/A	DEC 2011	JUN 2013	**N/A** [1]	(Ch-1)
Full Rate Production In Process Review	FEB 2007	DEC 2011	DEC 2012	**N/A** [1]	(Ch-1)
Full Rate Production Contract Award	JAN 2007	N/A	N/A	N/A	(Ch-1)

[1] *APB Breach*

Acronyms And Abbreviations

LRIP - Low Rate Initial Production
MOT&E - Multi-Service Operational Test and Evaluation
OIPT - Overarching Integrated Product Team

Change Explanations

(Ch-1) The Defense Acquisition Executive (DAE) signed an Acquisition Decision Memorandum (ADM) on October 14, 2011 which directed cancellation of the JTRS GMR Program. Consequently, there are no upcoming schedule milestones.

Performance

Characteristics	SAR Baseline Dev Est	Current APB Development Objective/Threshold		Demonstrated Performance	Current Estimate
Have an internal growth capability	Open System Architecture IAW JTA; Modular, Scaleable, Flexible Form Factors	Open system architecture in accordance with DISR; Modular, Scaleable, Flexible Form Factors	Open system architecture in accordance with DISR; Modular, Scaleable, Flexible Form Factors	TBD	Open system architecture in accordance with DISR; Modular, Scaleable, Flexible Form Factors.
JTR set modes/capabilities configuration and reconfiguration via software	By operators in their operational environment	By operators in their operational environment	By operators in their operational environment	TBD	By operators in their operational environment.
Multi-channel routing and retransmission	Objective waveforms that are compatible in mode (voice, data, or video) and use compatible data rates	Objective waveforms that are same in mode (voice, data, or video) and use like data rates and operate at permissible security classification levels	KPP waveforms that are same in mode (voice, data, or video) and use like data rates and operate at permissible security classification levels	TBD	KPP waveforms that are same in mode (voice, data, or video) and use like data rates and operate at permissible security classification levels.
Support time-critical waveforms	SINCGARS ESIP (MIL-STD188-220) HAVE QUICK II UHF DAMA SATCOM (MIL-STD 188-181) w/EPLRS WNW (new, modified or existing waveform) and non-KPP LINK-	See Annexes D and F of ORD 3.2.1	See Annexes D and F of ORD 3.2.1	TBD	See Annexes D and F of ORD 3.2.1.

	16 (-) for TACP				
Operate on designated number of channels at the same time	GPS+8 (Vehicular), GPS+10 (Airborne)	8 Vehicular	4 Vehicular	TBD	GPS+4 (Vehicular)
Scaleable networking services	Maritime/Fixed Domain	All Domains	All Domains	TBD	All Domains
Network extension/coverage	Across Organizational boundaries	Across organizational boundaries	Across organizational boundaries	TBD	Across organizational boundaries.
JTR System network interoperability	Inter-operate with Allied/Coalition and commercial networks; satisfy 100% of top-level IERs	100% of interfaces; services; policy-enforcement controls; and data correctness, availability and processing requirements in the Joint integrated architecture	100% of interfaces; services; policy-enforcement controls; and data correctness, availability and processing requirements designated as enterprise-level or critical in the Joint integrated architecture	TBD	100% of interfaces; services; policy-enforcement controls; and data correctness, availability and processing requirements designated as enterprise level or critical in the Joint integrated architecture.
Operational Availability (Ao)	0.99 Channel / 0.96 (Set)	0.99 Channel/0.96 (Set)	0.96 Channel	TBD	0.96 (Channel)
Net Ready (NR) capability	N/A	The system must fully support executionof all operational activities identified in the applicable joint and system integrated architectures and the system must satisfy the technical	The system must fully support execution of joint critical operational activities identified in the applicable joint and system integrated architectures and the system must satisfy the technical	TBD	The system must fully support execution of joint critical operational activities identified in the applicable joint and system integrated architectures and the system must satisfy the technical

		requirements for Net-Centric military operations to include: 1) DISR mandated GIG IT standards and profiles identified in the TV1 2) DISR mandated GIG KIPs identified in the KIP declaration (Table 31) 3) NCOW RM Enterprise Services 4) Information assur-ance requirements including availability, integrity, authenticat-ion, confidential-ity, and nonrepudiat-ion, and issuance of an ATO by the DAA 5) Operationally effective information exchanges; and mission critical performance and IA attributes, data correctness, data availability, and consistent data	requirements for transition to Net-Centric military operations to include: 1) DISR mandated GIG IT standards and profiles identified in the TV1 2) DISR mandated GIG KIPs identified in the KIP declaration (Table 31) 3) NCOW RM Enterprise Services 4) IA requirements including availability, integrity, authenticat-ion, confidential-ity, and nonrepudiat-ion, and issuance of an IATO by the DAA 5) Operationally effective information exchanges; and mission critical performance and IA attributes, data correctness, data availability, and consistent data		requirements for transition to Net-Centric military operations to include: 1) DISR mandated GIG IT standards and profiles identified in the TV1 2) DISR mandated GIG KIPs identified in the KIP declaration (Table 31) 3) NCOW RM Enterprise Services 4) IA requirements including availability, integrity, authenti-cation, confidentiality, and non-repudiation, and issuance of an IATO by the DAA 5) Operationally effective information exchanges; and mission critical performance and IA attributes, data correctness, data availability, and consistent data

		processing specified in the applicable joint and system integrated architecture views	processing specified in the applicable joint and system integrated architecture views		processing specified in the applicable joint and system integrated architecture views.

Requirements Source: Increment 1 JTRS Ground Mobile Radio (GMR) Performance Requirements for Increment 1 are based on JROCM 131-06 dated June 29, 2006 and JROCM 171-06 dated August 28, 2006. The JROCM 131-06 mandated the NR KPP and JROCM 171-06 approved the ORD version 3.2

Acronyms And Abbreviations

Ao - Operational Availability
ATO - Authority To Operate
DAA - Designated Approving Authority
DAMA - Demand Assigned Multiple Access
DISR - DoD Information Technology Standards Registry
DoD IEA - Department of Defense Information Enterprise Architecture
DoDAF - Department of Defense Architecture Framework
EDM - Engineering Development Model
EPLRS - Enhanced Position Location Reporting System
ESIP - Enhanced SINCGARS Improvement Program
GIG - Global Information Grid
GPS - Global Positioning System
IA - Information Assurance
IATO - Interim Authority To Operate
IAW - In Accordance With
IER - Information Exchange Requirement
IT - Information Technology
JROCM - Joint Requirements Oversight Council Memorandum
JTA - Joint Technical Architecture
JTR - Joint Tactical Radio
KIP - Key Interface Profile
KPP - Key Performance Parameters
MIL-STD - Military Standard
NCOW-RM - Net Centric Operations and Warfare - Reference Model
NR - Net Ready
ORD - Operational Requirements Document
SAASM - Selective Availability Anti-Spoofing Module
SATCOM - Satellite Communications
SINCGARS - Single Channel Ground and Airborne Radio System
TACP - Tactical Air Control Party
TBD - To Be Determined
TV - Technical View
UHF - Ultra High Frequency
WNW - Wideband Networking Waveform

Change Explanations

None

Memo

On April 29, 2011, the Vice Chairman of the Joint Chiefs of Staff issued two memos, the first stating that the Joint Requirements Oversight Council (JROC) approved GMRs requested modification of the waveform Key Performance Parameter (KPP) in the Operational Requirements Document (ORD) 3.2.1 (Amendment). The first memo changed the EPLRS waveform from a Threshold to an Objective requirement across the JTRS Enterprise. The second memorandum approved changing the Multi-channel routing and retransmission of non-Internet Protocol data to Internet Protocol data from a Threshold to an Objective requirement across the JTRS Enterprise.

Track To Budget

RDT&E				
APPN 1319	BA 05	PE 0604280N	(Navy)	
	Project 3074	Joint Tactical Radio System (JTRS) / GMR JTRS	(Shared)	
	Project 9999	Army Tactical Radios for FCS	(Shared)	(Sunk)
APPN 2040	BA 05	PE 0604280A	(Army)	
	Project 162	Joint Tactical Radio / Network Enterprise Domain (NED)	(Shared)	
APPN 2040	BA 05	PE 0604805A	(Army)	
	Project D615	Command, Project 615 Control, Comm Systems - Eng Dev/JTRS- Ground Domain Integration	(Shared)	(Sunk)

The JTRS Common RDT&E funding is consolidated under one Navy Program Element (PE 0604280N) in the execution and budget years (FY 2010 - FY 2012). Army Program Element (PE 0604805A) represents prior year funding.

Procurement				
APPN 1109	BA 04	PE 0206313M	(Navy)	
	ICN 4633	Marine Corps Communication Equipment / Radio Systems	(Shared)	
APPN 2035	BA 02	PE 0310700A	(Army)	
	ICN B90100	JTRS Cluster 1 (GMR)	(Shared)	

Cost and Funding

Cost Summary

Total Acquisition Cost and Quantity

	BY2002 $M			BY2002 $M	TY $M		
Appropriation	SAR Baseline Dev Est	Current APB Development Objective/Threshold		Current Estimate	SAR Baseline Dev Est	Current APB Development Objective	Current Estimate
RDT&E	845.1	1209.8	1330.9	**1454.5**[1]	901.1	1356.7	1652.4
Procurement	13592.1	13060.9	14367.1	0.0	18211.8	19387.1	0.0
Flyaway	11855.4	--	--	0.0	15879.3	--	0.0
Recurring	11855.4	--	--	0.0	15879.3	--	0.0
Non Recurring	0.0	--	--	0.0	0.0	--	0.0
Support	1736.7	--	--	0.0	2332.5	--	0.0
Other Support	1087.3	--	--	0.0	1462.7	--	0.0
Initial Spares	649.4	--	--	0.0	869.8	--	0.0
MILCON	0.0	0.0	--	0.0	0.0	0.0	0.0
Acq O&M	0.0	0.0	--	0.0	0.0	0.0	0.0
Total	14437.2	14270.7	N/A	1454.5	19112.9	20743.8	1652.4

[1] ***APB Breach***

Quantity	SAR Baseline Dev Est	Current APB Development	Current Estimate
RDT&E	302	140	91
Procurement	108086	86512	0
Total	108388	86652	91

The unit of measure is a JTRS GMR radio set which is capable of running 2, 3, or 4 channels.

Because of the non-certification of the JTRS GMR Program by the Defense Acquisition Executive (DAE) on October 14, 2011, the quantity is now zero.

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	1582.7	69.7	0.0	0.0	0.0	0.0	0.0	0.0	1652.4
Procurement	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MILCON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acq O&M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PB 2013 Total	1582.7	69.7	0.0	0.0	0.0	0.0	0.0	0.0	1652.4
PB 2012 Total	1730.7	231.4	276.1	262.0	209.7	251.7	251.1	16289.1	19501.8
Delta	-148.0	-161.7	-276.1	-262.0	-209.7	-251.7	-251.1	-16289.1	-17849.4

Quantity	Undistributed	Prior	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	To Complete	Total
Development	91	0	0	0	0	0	0	0	0	91
Production	0	0	0	0	0	0	0	0	0	0
PB 2013 Total	91	0	0	0	0	0	0	0	0	91
PB 2012 Total	91	308	490	629	608	522	689	712	82907	86956
Delta	0	-308	-490	-629	-608	-522	-689	-712	-82907	-86865

Cost and Funding

Annual Funding By Appropriation

Annual Funding TY$
1319 | RDT&E | Research, Development, Test, and Evaluation, Navy

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
2007	--	--	--	--	--	--	202.9
2008	--	--	--	--	--	--	262.8
2009	--	--	--	--	--	--	245.8
2010	--	--	--	--	--	--	200.4
2011	--	--	--	--	--	--	99.3
2012	--	--	--	--	--	--	69.7
Subtotal	**91**	**--**	**--**	**--**	**--**	**--**	**1080.9**

Annual Funding BY$
1319 | RDT&E | Research, Development, Test, and Evaluation, Navy

Fiscal Year	Quantity	End Item Recurring Flyaway BY 2002 $M	Non End Item Recurring Flyaway BY 2002 $M	Non Recurring Flyaway BY 2002 $M	Total Flyaway BY 2002 $M	Total Support BY 2002 $M	Total Program BY 2002 $M
2007	--	--	--	--	--	--	178.0
2008	--	--	--	--	--	--	226.5
2009	--	--	--	--	--	--	209.1
2010	--	--	--	--	--	--	168.0
2011	--	--	--	--	--	--	81.7
2012	--	--	--	--	--	--	56.3
Subtotal	**91**	**--**	**--**	**--**	**--**	**--**	**919.6**

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
2002	--	--	--	--	--	--	49.6
2003	--	--	--	--	--	--	87.8
2004	--	--	--	--	--	--	169.8
2005	--	--	--	--	--	--	97.2
2006	--	--	--	--	--	--	167.1
Subtotal	**--**	**--**	**--**	**--**	**--**	**--**	**571.5**

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

Fiscal Year	Quantity	End Item Recurring Flyaway BY 2002 $M	Non End Item Recurring Flyaway BY 2002 $M	Non Recurring Flyaway BY 2002 $M	Total Flyaway BY 2002 $M	Total Support BY 2002 $M	Total Program BY 2002 $M
2002	--	--	--	--	--	--	49.1
2003	--	--	--	--	--	--	85.3
2004	--	--	--	--	--	--	161.0
2005	--	--	--	--	--	--	89.6
2006	--	--	--	--	--	--	149.9
Subtotal	**--**	**--**	**--**	**--**	**--**	**--**	**534.9**

Low Rate Initial Production

At the Milestone B, Low Rate Initial Production (LRIP) was not to exceed ten percent (10%) of total Production for all Services. Due to program cancellation, JTRS GMR will not enter into production.

Foreign Military Sales

None

Nuclear Cost

None

Unit Cost

Unit Cost Report

Unit Cost	BY2002 $M Current UCR Baseline (JAN 2008 APB)	BY2002 $M Current Estimate (DEC 2011 SAR)	BY % Change
Program Acquisition Unit Cost (PAUC)			
Cost	14270.7	1454.5	
Quantity	86652	91	
Unit Cost	0.165	15.984	**+9587.27** [1]
Average Procurement Unit Cost (APUC)			
Cost	13060.9	0.0	
Quantity	86512	0	
Unit Cost	0.151	--	--

Unit Cost	BY2002 $M Original UCR Baseline (JUN 2002 APB)	BY2002 $M Current Estimate (DEC 2011 SAR)	BY % Change
Program Acquisition Unit Cost (PAUC)			
Cost	14437.2	1454.5	
Quantity	108388	91	
Unit Cost	0.133	15.984	**+11918.05** [1]
Average Procurement Unit Cost (APUC)			
Cost	13592.1	0.0	
Quantity	108086	0	
Unit Cost	0.126	--	--

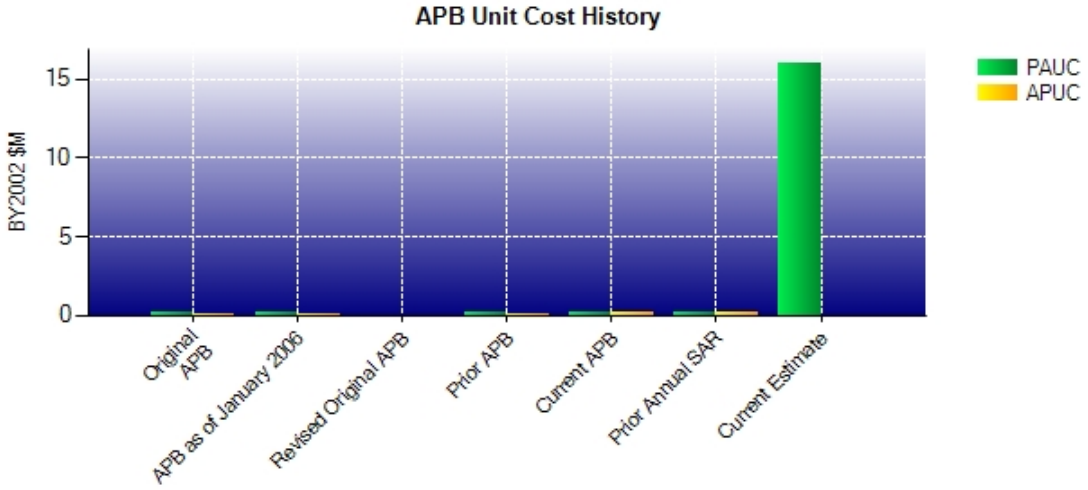
[1] **Nunn-McCurdy Breach**

The JTRS GMR Program Office reported a Nunn-McCurdy breach on June 24, 2011. Congress was notified of the critical Nunn-McCurdy breach on May 13, 2011. The JTRS GMR Program Office reported the Nunn-McCurdy breach in the June 2011 SAR.

In the June 2011 SAR the reported PAUC deviation against the current and original baseline was 92.12% and 138.35%, respectively. In the June 2011 SAR the reported APUC deviation against the current and original baseline was 23.18% and 47.62%, respectively. Following the required Nunn-McCurdy certification process, the Defense Acquisition Executive (DAE) decided not to certify the continuation of the existing JTRS GMR Program. An Acquisition Decision Memorandum (ADM) was signed by the DAE on October 14, 2011 authorizing cancellation.

As a result of the program cancellation, the total procurement quantity has been reduced from 10,293 to 0. This has resulted in a calculated increase to the PAUC from the June 2011 SAR.

Unit Cost History



		BY2002 $M		TY $M	
	Date	PAUC	APUC	PAUC	APUC
Original APB	JUN 2002	0.133	0.126	0.176	0.168
APB as of January 2006	JUN 2002	0.133	0.126	0.176	0.168
Revised Original APB	N/A	N/A	N/A	N/A	N/A
Prior APB	JUN 2002	0.133	0.126	0.176	0.168
Current APB	JAN 2008	0.165	0.151	0.239	0.224
Prior Annual SAR	DEC 2010	0.156	0.140	0.224	0.205
Current Estimate	DEC 2011	15.984	N/A	18.158	N/A

SAR Unit Cost History

Current SAR Baseline to Current Estimate (TY $M)

Initial PAUC Dev Est	Changes								PAUC Current Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
0.176	0.046	24.109	13.077	-0.757	7.042	0.000	-25.535	17.982	18.158

Current SAR Baseline to Current Estimate (TY $M)

Initial APUC Dev Est	Changes								APUC Current Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
0.168	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

SAR Baseline History

Item/Event	SAR Planning Estimate (PE)	SAR Development Estimate (DE)	SAR Production Estimate (PdE)	Current Estimate
Milestone A	N/A	N/A	N/A	N/A
Milestone B	N/A	JUN 2002	N/A	JUN 2002
Milestone C	N/A	AUG 2005	N/A	N/A
IOC	N/A	N/A	N/A	N/A
Total Cost (TY $M)	N/A	19112.9	N/A	1652.4
Total Quantity	N/A	108388	N/A	91
Prog. Acq. Unit Cost (PAUC)	N/A	0.176	N/A	18.158

Cost Variance

Cost Variance Summary

Summary Then Year $M				
	RDT&E	Proc	MILCON	Total
SAR Baseline (Dev Est)	901.1	18211.8	--	19112.9
Previous Changes				
Economic	+20.9	-67.9	--	-47.0
Quantity	+9.3	-14718.7	--	-14709.4
Schedule	+392.2	+802.5	--	+1194.7
Engineering	-126.6	+58.2	--	-68.4
Estimating	+469.9	-69.7	--	+400.2
Other	--	--	--	--
Support	--	-1508.9	--	-1508.9
Subtotal	+765.7	-15504.5	--	-14738.8
Current Changes				
Economic	+3.5	+47.7	--	+51.2
Quantity	--	-2193.5	--	-2193.5
Schedule	--	-4.7	--	-4.7
Engineering	--	-0.5	--	-0.5
Estimating	-17.9	+258.5	--	+240.6
Other	--	--	--	--
Support	--	-814.8	--	-814.8
Subtotal	-14.4	-2707.3	--	-2721.7
Total Changes	+751.3	-18211.8	--	-17460.5
CE - Cost Variance	1652.4	--	--	1652.4
CE - Cost & Funding	1652.4	--	--	1652.4

Summary Base Year 2002 $M				
	RDT&E	Proc	MILCON	Total
SAR Baseline (Dev Est)	845.1	13592.1	--	14437.2
Previous Changes				
Economic	--	--	--	--
Quantity	+8.8	-9667.0	--	-9658.2
Schedule	+346.4	-761.9	--	-415.5
Engineering	-105.2	-21.5	--	-126.7
Estimating	+372.1	+28.2	--	+400.3
Other	--	--	--	--
Support	--	-1139.3	--	-1139.3
Subtotal	+622.1	-11561.5	--	-10939.4
Current Changes				
Economic	--	--	--	--
Quantity	--	-1616.3	--	-1616.3
Schedule	--	-2.6	--	-2.6
Engineering	--	-0.2	--	-0.2
Estimating	-12.7	+185.9	--	+173.2
Other	--	--	--	--
Support	--	-597.4	--	-597.4
Subtotal	-12.7	-2030.6	--	-2043.3
Total Changes	+609.4	-13592.1	--	-12982.7
CE - Cost Variance	1454.5	--	--	1454.5
CE - Cost & Funding	1454.5	--	--	1454.5

Previous Estimate: June 2011

RDT&E	$M	
Current Change Explanations	Base Year	Then Year
Revised escalation indices. (Economic)	N/A	+3.5
Navy: Estimating increase associated with the completion of testing activities on the JTRS GMR Engineering, Manufacturing and Development (EMD) contract. (Estimating)	+41.2	+51.0
Navy: Estimating decrease associated with the formal cancellation of the JTRS GMR Program. No requirements exist beyond FY 2012. (Estimating)	-4.0	-5.1
Army: Estimating increase associated with the completion of testing activities on the JTRS GMR Engineering, Manufacturing and Development (EMD) contract. (Estimating)	-44.9	-57.7
Air Force: Estimating decrease associated with the cancellation of the JTRS GMR Program. No requirements are forecasted beyond FY 2012. (Estimating)	-2.9	-3.6
Adjustment for current and prior escalation. (Estimating)	-2.1	-2.5
RDT&E Subtotal	-12.7	-14.4

Procurement	$M	
Current Change Explanations	Base Year	Then Year
Revised escalation indices. (Economic)	N/A	+47.7
Quantity variance resulting from a decrease of 10293 JTRS GMRs from 10293 to 0 (Army). (Quantity)	-1523.6	-2060.1
Total Quantity variance resulting from a decrease of 646 JTRS GMRs from 646 to 0 (Navy). (Subtotal)	-95.3	-138.1
Quantity variance resulting from a decrease of 646 JTRS GMRs from 646 to 0 (Navy). (Quantity)	(-92.7)	(-133.4)
Allocation to Schedule resulting from Quantity change. (Schedule) (QR)	(-2.6)	(-4.7)
Allocation to Engineering resulting from Quantity change. (Engineering) (QR)	(-0.2)	(-0.5)
Allocation to Estimating resulting from Quantity change. (Estimating) (QR)	(+0.2)	(+0.5)
Additional cost variance associated with the cancellation of Program (Army). (Estimating) (QR)	+230.5	+321.5
Additional cost variance associated with the cancellation of Program (Navy). (Estimating) (QR)	-42.2	-60.3
Adjustment for current and prior escalation. (Estimating)	-2.6	-3.2
Adjustment for current and prior escalation. (Support)	-0.8	-1.0
Decrease in Other Support to reflect cancellation of the JTRS GMR program (Army). (Support) (QR)	-479.8	-654.3
Decrease in Initial Spares to reflect cancellation of the JTRS GMR program (Army). (Support) (QR)	-89.5	-120.0
Decrease in Other Support to reflect cancellation of the JTRS GMR program (Navy). (Support) (QR)	-17.6	-25.5
Decrease in Initial Spares to reflect cancellation of the JTRS GMR program (Navy). (Support) (QR)	-9.7	-14.0
Procurement Subtotal	-2030.6	-2707.3

(QR) Quantity Related

Contracts

There are no Contracts data to display.

Deliveries and Expenditures

Deliveries To Date	Plan To Date	Actual To Date	Total Quantity	Percent Delivered
Development	91	91	91	100.00%
Production	0	0	0	--
Total Program Quantities Delivered	91	91	91	100.00%

Expenditures and Appropriations (TY $M)			
Total Acquisition Cost	1652.4	Years Appropriated	11
Expenditures To Date	1573.6	Percent Years Appropriated	100.00%
Percent Expended	95.23%	Appropriated to Date	1652.4
Total Funding Years	11	Percent Appropriated	100.00%

The Expenditures to Date is as of December 31, 2011.

Operating and Support Cost

Assumptions And Ground Rules
There are no calculated Operations and Support (O&S) costs against the JTRS GMR Program as a result of the program cancellation.

Costs BY2002 $K		
Cost Element	**JTRS GMR Average Annual Cost (Per Radio)**	**No Antecedent**
Unit-Level Manpower	--	--
Unit Operations	0	--
Maintenance	--	--
Sustaining Support	0	--
Continuing System Improvements	--	--
Indirect Support	--	--
Other	--	--
Total Unitized Cost (Base Year 2002 $)	--	--

Total O&S Costs $M	JTRS GMR	No Antecedent
Base Year	0.0	--
Then Year	0.0	--