Exhibit P-40, Budget Item	<b>Justification Sh</b>	eet					Date:	y 2009						
Appropriation / Budget Activity / Seria Other Procurement, Army / 2 / Comm		lquipment			P-1 Item Nomenclature SINCGARS FAMILY (BW0006)									
Program Elements for Code B Items:	C	ode:	Other Relate	ed Program Eleme	ents:									
	Prior Years		FY 2008	FY 2009	9	FY 2010	To Complete	Total Prog						
Proc Qty														
Gross Cost	520	61.3	502.4	1	187.0	135.0	Continuing	Continuing						
Less PY Adv Proc														
Plus CY Adv Proc														
Net Proc P1	521	61.3	502.4	i l	187.0	135.0	Continuing	Continuing						
Initial Spares		15.0						15.0						
Total Proc Cost	527	76.3	502.4	ļ.	187.0	135.0	Continuing	Continuing						
Flyaway U/C														
Weapon System Proc U/C							Continuing	Continuing						

## Description:

The Single Channel Ground and Airborne Radio System (SINCGARS) VHF-FM Radio Communications System provides the primary means of command and control for combat/combat support/combat service support units. The SINCGARS radio provides state-of-the-art communications in manpack, vehicle, and airborne configurations. Its Frequency-Hopping and jam resistant capabilities offset current threat jamming techniques. SINCGARS continues its evolutionary development with the fielding of the Advanced SINCGARS System Improvement Program (ASIP) radio. The SINCGARS ASIP radio provides for enhanced data and voice communications while using commercial Internet Protocols. The SINCGARS radio is an essential component of the Tactical Internet enabling commanders to conduct operations on the digitized battlefield. The family of SINCGARS radios is employed on such systems as the Bradley M2A3, Patriot, ABRAMS M1A2 System Enhancement Program (SEP), and the Longbow Apache.

## Justification:

FY2010 Base procurement dollars in the amount of \$6,812,000 support program management and fielding support for fielded ground ASIP radios for high priority National Guard units; and supports a SINCGARS radio in all Combat Service / Combat Service Support tactical wheeled vehicles critical to the support of the Overseas Contingency Operations (OCO), Modularity and homeland defense.

FY2010 OCO procurement dollars in the amount of \$128,180,000 support radio procurement, Total Package Fielding and procurement of GRM-122 accessories. The planned procurement of 6,409 receiver transmitters are for battle loss and do not count against the AAO.

BW0006 Item No. 37 Page 1 of 7 Exhibit P-40 SINCGARS FAMILY 121 Budget Item Justification Sheet

Exhibit P-40, Budget Item	Exhibit P-40, Budget Item Justification Sheet														
Appropriation / Budget Activity / Serial Other Procurement, Army / 2 / Comm		Equipment			P-1 Item Nomenclature SINCGARS - GROUND (B00500)										
Program Elements for Code B Items:	C	ode:	Other Related												
	Prior Years		FY 2008	FY 2009	FY 2010	To Complete	Total Prog								
Proc Qty															
Gross Cost	521	61.3	502.4	187.0	135.0	Continuing	Continuing								
Less PY Adv Proc															
Plus CY Adv Proc															
Net Proc P1	520	61.3	502.4	187.0	135.0	Continuing	Continuing								
Initial Spares		15.0					15.0								
Total Proc Cost	527	76.3	502.4	187.0	135.0	Continuing	Continuing								
Flyaway U/C															
Weapon System Proc U/C						Continuing	Continuing								

## **Description:**

The Single Channel Ground and Airborne Radio System (SINCGARS) VHF-FM Radio Communications System provides the primary means of command and control for combat/combat support/combat service support units. The SINCGARS radio provides state-of-the-art communications in man pack, vehicle, and airborne configurations. Its Frequency-Hopping and jam resistant capabilities offset current threat jamming techniques. SINCGARS continues its evolutionary development with the fielding of the Advanced SINCGARS System Improvement Program (ASIP) radio. The SINCGARS ASIP radio provides for enhanced data and voice communications while using commercial Internet Protocols. The SINCGARS radio is an essential component of the Tactical Internet enabling commanders to conduct operations on the digitized battlefield. The family of SINCGARS radios is employed on such systems as the Bradley M2A3, PATRIOT, ABRAMS M1A2 System Enhancement Program, and the Longbow Apache. The Army Acquisition Objective (AAO) for the ground Receiver Transmitter (RT) is 581,000. SINCGARS quantities for the AAO are counted against the number of receiver transmitters.

## Justification:

FY2010 Base procurement dollars in the amount of \$6,812,000 support program management and fielding support for fielded ground ASIP radios for RESET and high priority National Guard units; and supports a SINCGARS radio in all Combat Service / Combat Service Support tactical wheeled vehicles critical to the Overseas Contingency Operations (OCO), Modularity and homeland defense.

FY2010 OCO procurement dollars in the amount of \$128,180,000 support radio procurement, Total Package Fielding and procurement of GRM-122 accessories. The planned procurement of 6,409 receiver transmitters are for battle loss and do not count against the AAO.

FY2008 FY2009 FY2010
Active QTY
Gross Cost 367941 100000 128180

National QTY
Guard Gross Cost 134388 87031 6812

Item No. 37 Page 2 of 7 Exhibit P-40
122 Budget Item Justification Sheet

Exhibit P-40, Budget Item Justification	Date: May 2009							
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electr	ronics Equipment	P-1 Item Nomenclature SINCGARS - GROUND (B00500)						
Program Elements for Code B Items:	Code:	Other Related Program Elements:						
Reserve Qty Gross Cost 40 0 0								

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communic Electronics Equipment	ations ar			menclature: OUND (B00500)	Weapon System	n Type:	Date: May 2009			
OPA2		ID		FY 08			FY 09			FY 10	
Cost Elemen	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
SINCGARS											
HARDWARE- TBD		Α	295235	26804	11	128465	11663	11	70592	6409	11
ENGINEERING			17556			7489					
PROJECT MANAGEMENT ADMIN			17975			2680			4940	)	
OTHER HARDWARE			101644			29776			11410	)	
ECP's											
TEST			1972			25					
SOFTWARE			10222			10650					
TOTAL PACKAGE FIELDING			54204			2000			48050	)	
LOGISTICS			3561			5946					
(1) Hardware costs include the SINCGARS											
receiver transmitter, vehicular amplfier											
adapter and power amplifier.											
Total:			502369			187031			134992		

Exhibit P-5a, Budget Procurement History and Planning													
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronic	es Equipment	Weapon System Type:		P-1 Line Item Nomenclature: SINCGARS - GROUND (B00500)									
WBS Cost Elements:		Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date		
HARDWARE- TBD													
FY 2008	TBS TBS		C/FFP	CECOM	May 09	May 10	26804	11	Yes		Dec 0		
FY 2009	TBS TBS		C/FFP	CECOM	May 09	May 10	5300	11	Yes		Dec 0		
FY 2009	TBS TBS		C/FFP	CECOM	Jul 09	Jul 10	6363	11	Yes		Dec 0		
FY 2010	TBS TBS		C/FFP	CECOM	Jul 10	Jul 11	6409	11	Yes		Dec 0		

REMARKS:

FY 09 / 10 BUDGET PRODUCTION SCHEDULE P-1 ITEM NOMENCLATURE Date:																														
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	C	OST	ELEM	IENTS						]	Fiscal Y	ear 09	)										Fiscal Y	ear 10	)					
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 0	9	[							Calen	ıdar Yea	r 10				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	U	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later
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	FY 09	A	5300	0	5300									A											1000	1000	1000	1000	1000	300
	FY 09	A	6363	0	6363									+	A											500	500	500	500	4363
	FY 10	A	6409	0	6409									+													A			6409
			+											+																
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Tot	al				44876																				3000	3500	3500	3500	3500	27876
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M							]	PRODU	CTION	RATES						A	DMIN I	LEAD T	IME		MFR		TOTA	AL.	REMA	RKS				
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BW0006 (B00500) SINCGARS - GROUND Item No. 37 Page 6 of 7 126 Exhibit P-21 Production Schedule

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	C	OST	ELEM	IENTS	,						Fiscal '	Year 11		I.									Fiscal Y	ear 12	2						
М		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 1	11	[							Calendar Year 12							
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Later	
HA	RDWA	RE- TB	D	l										1						-								_			_
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	FY 09	A	5300	5000	300	300																							<u> </u>	0	1
	FY 09	A	6363	2000	4363	500	500	500	500	500	500	700	66	3																0	
2	FY 10	A	6409	0	6409										3000	3409														0	
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M							1	PRODU	CTION	RATES							DMIN I				MFR		TOTA	AL	REMA	RKS					
F												hed M	FR			Prie	or 1 Oct	After	r 1 Oct	Aft	er 1 Oct		After 1	Oct							
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1			ie, IN					160	5500	10000	_		Re	eorder			2		6		12		18								
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