

Exhibit P-40, Budget Item Justification Sheet

Date: February 2004

Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronics Equipment (4) P-1 Item Nomenclature: JOINT TACTICAL RADIO SYSTEMS

Program Elements: 0206313M Marine Corps Communication Equipment Code: A Other Related Program Elements:

	Prior Years			FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0			0.0	13.8	26.0	32.4	97.8	80.7	73.4	Cont	Cont
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0			0.0	13.8	26.0	32.4	97.8	80.7	73.4	Cont	Cont
Initial Spares	0.0			0.0	0.0	0.5	1.0	4.4	4.2	4.2	Cont	Cont
Total Proc Cost	0.0			0.0	13.8	26.5	33.4	102.1	84.9	77.6	Cont	Cont
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION: Joint Tactical Radio Systems (JTRS) is a Family of Joint Multi-Channel/Multi-Mode, Software-Defined, Reprogrammable Tactical Radio Systems. Providing high capacity line of sight (LOS) and beyond line of sight (BLOS) plain and secure voice, data, and video while operating in frequency bands from 2 MHz to 2 GHz. Providing network connectivity across the radio frequency (RF) spectrum and providing the means for tactical digital information exchanges.

Block 1: Legacy-JTRS Bridge: Interim Handheld/Manpack and Data Radios. Includes 3 radio systems: the High Frequency Man-pack Radio (HFMR), the Tactical Handheld Radio (THHR), and Enhanced Position Location Reporting System (EPLRS) Post Development Software Support (PDSS)(software upgrades/maintenance funded with OMMC).

- HFMR: The AN/PRC-150 is an advanced HFMR, which provides reliable tactical communications through enhanced secure voice, and data performance, networking, reduced size/weight and extended battery life. The HFMR set provides HF and VHF capabilities in one system. It is ruggedized and submersible to be reliable in a field environment. The removable keypad/display unit enables operation on the move with the transceiver stowed in the user's backpack.
- THHR: The Tactical Hand Held Radio (THHR) is a secure hand held radio for use by Marine Corps Recon and infantry teams. The THHR is a military-ready system capable of providing Marine Corps units with a standardized and maintainable hand held radio to support the communications requirements of small units (platoon, squad and team). The THHR contains embedded Type I communications security, and it will be interoperable with SINCGARS (Single Channel Ground Air Radio System) and HAVEQUICK II in the single channel mode and while in the Electronic Counter Counter Measure (ECCM) frequency hopping mode. THHR has a selector switch which allows the operator to employ it in one of two different radio modes, effectively combining the capability of two legacy man-pack tactical radios into a single hand held unit.
- Tactical Elevated Antenna Mast System (TEAMS) is a single HMMWV(Highly Mobile Multi-purpose Wheeled Vehicle) mounted 100' telescoping antenna mast replacing the two AN/MRC-142 50' antennas. TEAMS provides a safer more efficient mast to allow up to twice the current height capability to overcome obstructions caused by overhead canopy and obstructing ridges which minimizes the need to set up additional relay sites as well as ship to shore communications. TEAMS will support any antenna but will be employed with AN/MRC-142 then JTRS when the AN/MRC-142 is replaced by JTRS.
- MultiBand MultiMode Radio (MBMMR) is a man-portable single-channel radio that can transmit from HF to UHF frequencies. It uses advanced software-defined radio (SDR) technology to provide battle proven embedded COMSEC (Communications Security), SATCOM (Satellite Communications), and ECCM capabilities to the warfighter. The AN/PRC-117F radio is fully NSA (National Security Agency), COMSEC certified and supports all common fill devices.

Block 2: Ground Vehicular/Rotary Wing, scaleable to 6 Channels (US Army – Cluster 1): Expeditionary Maneuver Warfare Air Ground Over the Horizon (EMW A/G OTH) Communications Vehicle (initially replacing systems beyond lifecycle: AN/MRC-138, AN/VRC-83), and C2 platforms that require multiple channels in multiple bands (LAV-C2, UOC, and AAAV).

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Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronics Equipment (4) P-1 Item Nomenclature: JOINT TACTICAL RADIO SYSTEMS - LEGACY BRIDGE

Program Elements: 0206313M Marine Corps Communication Equipment Code: A Other Related Program Elements:

	Prior Years		FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty											
Gross Cost	0.0		0.0	13.8	26.0	10.0	7.0	0.0	0.0	0.0	56.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	0.0		0.0	13.8	26.0	10.0	7.0	0.0	0.0	0.0	56.8
Initial Spares	0.0		0.0	0.0	0.5	1.0	0.0	0.0	0.0	0.0	1.5
Total Proc Cost	0.0		0.0	13.8	26.5	11.0	7.0	0.0	0.0	0.0	58.3
Flyaway U/C											
Wpn Sys Proc U/C											

DESCRIPTION:

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Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronics Equipment (4)					P-1 Line Item Nomenclature: JOINT TACTICAL RADIO SYSTEMS			Weapon System Type:		Date: February 2004	
Weapon Svstem Cost Elements		FY 02			FY 03			FY 04			FY 05		
ID	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Joint Tactical Radio Systems (JTRS)													
Legacy Bridge													
HF Manpack Radio													
								4184	207	20213	12406	602	20608
Multiband Multimode Radio													
								850	26	32692	1928	58	33241
Tactical Handheld Radio													
								4581	620	7389	10242	1283	7983
Tactical Elavated Mast System													
								4202	67	62716	1433	22	65136
								13817			26009		

Exhibit P-5a, Budget Procurement History and Planning

Date:
February 2004

Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronics Equipment (4)	Weapon System Type:	P-1 Line Item Nomenclature: JOINT TACTICAL RADIO SYSTEMS
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WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail?	Date Revsn Avail	RFP Issue Date
Joint Tactical Radio Systems (JTRS) Legacy Bridge										
FY04										
HFMR	Harris Corporation, Rochester, NY	FFP	USSOCOM MACDIL AFB	Nov-03	Jul-04	207	20213	Y		Oct-03
MBMMR	Harris Corporation, Rochester, NY	FFP	CTQ QUANTICO	Dec-03	Jul-04	26	32692	Y		Oct-03
THHR	Thales, Clarksburg, MD	FFP	USSOCOM MACDIL AFB	Nov-03	Jul-04	620	7389	Y		Oct-03
TEAMS	TBD	FFP	TBD	Feb-04	Jul-04	67	62716	Y		Oct-03
FY05										
HFMR	Harris Corporation, Rochester, NY	FFP	TBD	Dec-04	Jul-05	602	20608	Y		Oct-04
MBMMR	Harris Corporation, Rochester, NY	FFP	TBD	Dec-04	Jul-05	58	33241	Y		Oct-04
THHR	Thales, Clarksburg, MD	FFP	TBD	Dec-04	Jul-05	1283	7983	Y		Oct-04
TEAMS	TBD	FFP	TBD	Dec-04	Jul-05	22	65136	Y		Oct-04
FY06										
HFMR	Harris Corporation, Rochester, NY	FFP	TBD	Dec-05	Jul-06	32	21125	Y		Oct-05
MBMMR	Harris Corporation, Rochester, NY	FFP	TBD	Dec-05	Jul-06	104	33769	Y		Oct-05
THHR	Thales, Clarksburg, MD	FFP	TBD	Dec-05	Jul-06	597	8122	Y		Oct-05
TEAMS	TBD	FFP	TBD	Dec-05	Jul-06	15	64200	Y		Oct-05
FY07										
TEAMS	TBD	FFP	TBD	Dec-06	Jul-07	112	62500	Y		Oct-06

REMARKS:

