



RESERVE AFFAIRS

ASSISTANT SECRETARY OF DEFENSE
1500 DEFENSE PENTAGON
WASHINGTON, DC 20301-1500

- 3 DEC 2003

The Honorable Duncan Hunter
Chairman, Committee on Armed Services
U.S. House of Representatives
Washington, DC 20515-6035

Dear Mr. Chairman:

I have enclosed the Reserve component Chiefs' acquisition plans for miscellaneous equipment to be purchased with funding appropriated in the fiscal year (FY) 2004 National Guard and Reserve Equipment Appropriation. The enclosed "FY 2004 Summary NGREA Acquisition Report" reflects the intended equipment acquisitions for all Reserve components. The equipment included in this summary report meets critical readiness and modernization requirements and reflects necessary operational and budgetary decision adjustments.

This report is submitted in accordance with the reporting provision contained in the appropriation "National Guard and Reserve Equipment" of the Department of Defense Appropriations Act, 2004 (Public Law 108-87).

The intent of the Department is to proceed with execution of the summary report.

Sincerely,

A handwritten signature in black ink that reads "T. F. Hall".

T. F. Hall

Enclosures:
As stated

cc:
Honorable Ike Skelton
Ranking Member



**FY 2004 SUMMARY NGREA ACQUISITION REPORT
NATIONAL GUARD AND RESERVE EQUIPMENT PLAN
(0.742% reduction included IAW Section 8126(a) P.L. 108-87)**

<u>ARMY NATIONAL GUARD (\$100,000,000)</u>	<u>Quantity</u>	<u>Cost</u>
<i>Training</i>		
* Advanced Bradley Full-Crew Interactive Skills Trainer (AB FIST)	34	\$9,350,000
* Deployable Force-on-Force Instrumented Range System (DFIRST)	3	\$2,502,000
* Laser Marksmanship Trainer (LMTS)	60	\$1,620,000
* LMTS - Sniper Version	30	\$300,000
* Engagement Skills Trainer 2000 (EST 2000)	20	\$2,500,000
<i>Soldier Equipment</i>		
* PVS-14 Night Vision Goggles	4,525	\$14,932,500
M4 Carbine	5,000	\$5,000,000
M240B Machine Gun	400	\$3,600,000
PRC-112 Aircrew Individual Radio	500	\$1,650,000
PEQ-2 Rifle Illuminator	5,062	\$4,302,700
<i>Interoperability</i>		
Airborne SINCGARS	150	\$2,940,900
Advanced Field Artillery Tactical Data System (AFATDS)	30	\$900,000
SHADOW	1	\$12,000,000
* Movement Tracking System (MTS)	9	\$4,500,000
AN/USC-60 Fly-away Tri-band Tactical Satellite Terminal	14	\$9,800,000
<i>Mobility</i>		
* HMMWV M1097	215	\$15,050,000
Heavy Expanded Mobility Tactical Truck Tanker	9	\$2,709,900
* Family of Medium Tactical Vehicles (FMTV) M1083 5T Cargo	35	\$5,600,000
Pro Rata Share of Reduction Under P.L. 108-87 Sec 8126A		(\$742,000)
TOTAL ARNG MISCELLANEOUS NGREA		\$99,258,000
<u>ARMY RESERVE (\$45,000,000)</u>	<u>Quantity</u>	<u>Cost</u>
* FMTV Light Medium Tactical Vehicle (LMTV)	54	\$6,804,000
* FMTV Medium Tactical Vehicle (MTV)	40	\$7,016,009
* Movement Tracking System (MTS)	202	\$2,424,000
Rough Terrain Container Handler (RTCH)	10	\$4,950,000
M4 Carbine Rifle	3,025	\$1,815,000
PHOENIX Terminal	2	\$4,000,000
* Night Vision Image Intensification System	521	\$1,789,635
Truck, Tractor Line Haul, M951A3	90	\$10,557,000
C4E Data Packages	6	\$4,885,656
Near Vertical Incidence Skywave Antennas for IHFRs	200	\$424,800
Pro Rata Share of Reduction Under P.L. 108-87 Sec 8126A		(\$333,900)
TOTAL USAR MISCELLANEOUS NGREA		\$44,666,100

**FY 2004 SUMMARY NAREA ACQUISITION REPORT
NATIONAL GUARD AND RESERVE EQUIPMENT PLAN
(0.742% reduction included IAW Section 8126(a) P.L. 108-87)**

<u>NAVY RESERVE (\$45,000,000)</u>	<u>Quantity</u>	<u>Cost</u>
F/A-18 ECP-560R1 Kits	2	\$6,000,000
Naval Coastal Warfare Civil Engineering Support Equipment		
15T Trucks	14	\$1,596,000
30Kw Generators	35	\$518,000
H-60 Communications/Navigation Upgrade	4	\$1,400,000
SH-60B Forward-Looking Infrared Radar	2	\$2,600,000
Rough Terrain Cargo Handling Forklift-20K	14	\$2,100,000
COMNAVELSF Civil Engineering Support Equipment and Materiel Handling Equipment	--	\$495,100
F/A-18 Advanced Multi-role Infrared Sensor System POD	3	\$7,800,000
Mobile Diving Salvage Unit Table of Allowance Requirements	--	\$722,000
E-2C Garmin GNS-530	6	\$600,000
F-5 Aircraft	8	\$8,640,000
Naval Construction Force - Fire Arms Training Simulators	2	\$600,000
Expeditionary Logistic Support Forces Crane Simulator	10	\$1,950,000
C-9B Trainer	1	\$9,000,000
Treasury Judgment Fund Reimbursement for contract N0001989C0188		\$645,000
Pro Rata Share of Reduction Under P.L. 108-87 Sec 8126A		(\$333,900)
TOTAL USNR MISCELLANEOUS NAREA		\$44,666,100

<u>MARINE CORPS RESERVE (\$45,000,000)</u>	<u>Quantity</u>	<u>Cost</u>
Aircraft Individual Materiel Readiness List Equipment	1	\$2,053,616
KC-130T Night Vision Lighting Kit	1	\$550,000
AN/PVS-17B Miniature Night Sight	1,037	\$4,666,500
KC-130T ARC-210 Radio	4	\$1,480,000
AH-1W Electronic Warfare Suite	18	\$7,830,000
AN/PRC-117(V)1C	40	\$1,120,000
Trusted Systems Security Container	70	\$910,000
Combat Vehicle Training System	3	\$4,154,436
AN/PRC-150C	30	\$750,000
AN/PVS-17C Miniature Night Sight	403	\$1,813,500
RT-1523B AN/PRC-119F	40	\$268,080
AN/PAS-13	358	\$5,952,108
Alternative Power Source Package	1	\$1,411,350
Digital Combat Operations Center Capability	24	\$1,159,200
KC-130T Electronic Flight Instrument	14	\$700,000
SMART-T AN/TSC-154	2	\$1,600,000
EPLRS Radios (AN/VSQ-2C)	12	\$300,000
Secure Iridium Satellite Phones	24	\$96,000
AN/PRC-150C	60	\$1,500,000
Non-Lethal Weapons Kit - Large	3	\$353,400
Non-Lethal Weapons Kit - Small	3	\$123,600
Automotive Battery Maintenance Package	1	\$792,860
Embarkation Mobilization Boxes	9,900	\$990,000
Reserve Automated Support Systems	1	\$650,450
1993 NAREA KC-130 Cancelled Account Bill	1	\$3,441,000
Pro Rata Share of Reduction Under P.L. 108-87 Sec 8126A		(\$333,900)
TOTAL USMCR MISCELLANEOUS NAREA		\$44,666,100

**FY 2004 SUMMARY NGREA ACQUISITION REPORT
NATIONAL GUARD AND RESERVE EQUIPMENT PLAN
(0.742% reduction included IAW Section 8126(a) P.L. 108-87)**

<u>AIR NATIONAL GUARD (\$120,000,000)</u>	<u>Quantity</u>	<u>Cost</u>
<i>Precision Strike</i>		
* Targeting Pods	24	\$33,600,000
F-15 Joint Helmet Mounted Cueing System	6	\$4,000,000
C-130 APN-241 Color Radar	3	\$1,800,000
<i>Data Link Combat ID</i>		
F-16 Color Displays	228	\$17,334,550
F-15 Air-to-Air Identification/Friend or Foe	23	\$4,176,000
F-16 Air-to-Air Identification/Friend or Foe	20	\$10,000,000
<i>Enhanced Survivability</i>		
C-130 Large Aircraft Infra-red Countermeasures	2	\$10,000,000
HH-60 Concord Threat Receivers	18	\$1,998,000
PJ/CRO Patient Simulator	4	\$1,000,000
* F-16 Blk 42 229 Engines	2	\$7,300,000
F-15 220E Engine Kits (LINE ITEM SPECIFIED)	14	\$20,000,000
F-16 ALR-69 Antenna Optimization	40	\$2,400,000
A-10 Full Mission Trainer Simulator	1	\$2,500,000
<i>24 Hour Operations</i>		
Night Vision Goggles	351	\$3,001,050
Pro Rata Share of Reduction Under P.L. 108-87 Sec 8126A		(\$890,400)
TOTAL ANG MISCELLANEOUS NGREA		\$119,109,600
<u>AIR FORCE RESERVE (\$45,000,000)</u>		
	<u>Quantity</u>	<u>Cost</u>
* F-16 Litening Pod Upgrade Modification	36	\$14,760,000
* F-16 Litening AT Pod Procurement	11	\$14,300,000
C-130E/H APN-241 Radar Replacement	8	\$7,072,000
F-16 Display Processor	80	\$6,400,000
* Command Post Console Upgrades (4 consoles/9 radios)	4	\$1,520,000
* Dobbins Telephone Switch Upgrade	1	\$410,000
Anti-Terrorism/Force Protection Equipment	--	\$204,100
Pro Rata Share of Reduction Under P.L. 108-87 Sec 8126A		(\$333,900)
TOTAL AFRC MISCELLANEOUS NGREA		\$44,666,100
<u>NGREA EQUIPMENT PLAN SUMMARY</u>		
<u>Component</u>		<u>Amounts</u>
Army National Guard		\$99,258,000
U.S. Army Reserve		\$44,666,100
U.S. Naval Reserve		\$44,666,100
U.S. Marine Corps Reserve		\$44,666,100
Air National Guard		\$119,109,600
U.S. Air Force Reserve		\$44,666,100
NGREA EQUIPMENT PLAN TOTAL		\$397,032,000
Total Management Adjustment		(\$2,968,000)
NGREA APPROPRIATED AMOUNT		\$400,000,000

* - denotes items of special interest outlined in HR 108-283, Title III - Procurement



DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU
1411 JEFFERSON DAVIS HIGHWAY
ARLINGTON, VA 22202-3231

16 OCT 2003

NGB-ARL

MEMORANDUM THRU Office of the Deputy Assistant Secretary of the Army,
(Force Management, Manpower and Resources), Army Pentagon, Washington, D.C.
20310

FOR Deputy Assistant Secretary of Defense for Reserve Affairs,
(Materiel and Facilities), Pentagon, Washington, D.C. 20310

SUBJECT: Fiscal Year (FY) 04 National Guard and Reserve Equipment Appropriation
Acquisition (NGREA) List

1. The Army National Guard (ARNG) has received notification from the Office of the Assistant Secretary of Defense indicating the allotment of NGREA FY 04 appropriations, enclosure 1. Enclosure 2 is the ARNG's NGREA FY04 proposed equipment procurement list.
2. Point of contact is Dr. Paul Brown, National Guard Bureau, Deputy Chief, Logistics Division, at 703-607-7400 or Mr. Rodney Gipe, Logistics Management Specialist, National Guard Bureau, Logistics Materiel Branch, at 703-607-7498.

Encl
as


ROGER C. SCHULTZ
Lieutenant General, GS
Director, Army National Guard

Enclosure 1 withdrawn

14 Oct 03 ARNG NAREA FY 04 PROCUREMENT LIST

TRAINING	UNIT COST	QTY	COST	
AB FIST*	\$ 275,000	34	\$ 9,350,000	Key requirement for Army doctrinal gunnery training strategy & qualification standards. Will fill all company level mechanized eSB requirements & some divisional units.
DFIRST*	\$ 834,000	3	\$ 2,502,000	Can support MOUT or convoy operations. Funds training sites in TX, VA, and WA for regional support. Completes requirement.
LMTS*	\$ 27,000	60	\$ 1,620,000	Laser Marksmanship Trainer - fielded in company sets this device provides marksmanship training at the individual level.
LMTS SNIPER*	\$ 10,000	30	\$ 300,000	Laser Marksmanship Trainer - Sniper version- fielded to battalions
EST 2000*	\$ 125,000	20	\$ 2,500,000	Engagement Skills Trainer - Low-cost, easily maintained, PC based training device used to develop and sustain required marksmanship training skills.
			\$ 16,272,000	
SOLDIER EQUIPPING				
PVS-14 NVG*	\$ 3,300	4525	\$ 14,932,500	Fills shortages for scheduled mobilizations for the next two years. Shortage of NVGs is over 100K.
M4 Carbine	\$ 1,000	5000	\$ 5,000,000	Replaces M16A2 for OCONUS (Iraq & Afghanistan) vehicle mounted operations. Provides compact fire support.
M240B Machine Gun	\$ 9,000	400	\$ 3,600,000	Replaces M60 for OCONUS operations with more reliable & more modern system. Will be fielded to deploying units.
PRC-112 AC Indiv Radio	\$ 3,300	500	\$ 1,650,000	The radio is critical for all aircrews for recovery of downed aircraft. Fills critical shortfall in units mobilizing and for CONUS operations. Due to the overall shortage aircrews are required.
PEQ-2 Rifle Illuminator	\$ 850	5062	\$ 4,302,700	Infrared weapons mounted aiming light. Provides an upgrade to the PAQ-4C which is currently at 41% fill. Critical shortages for mobilizations and training requirements.
			\$ 29,485,200	
INTEROPERABILITY				
AIRBORNE SINGGARS	\$ 19,606	150	\$ 2,940,900	Procures required 2nd SINGGARS radio & control head for UH-60s which were cascaded to the ARNG with only one of two systems required. This is a high priority for aviation transformation and fills critical shortage for mobilizing units.
AFATDS	\$ 30,000	30	\$ 900,000	Advanced Field Artillery Tactical Data System. AFATDS is used in FA units at all levels from platoon ops to corps fire support elements. Support mobilization training & deployment.
SHADOW	\$ 12,000,000	1	\$ 12,000,000	An unmanned aerial reconnaissance/target acquisition system consisting of a ground station and three aerial vehicles. Intent is to procure a system for brigade and MI unit training for use during deployment. System will also be deployable.
MTS*	\$ 500,000	9	\$ 4,500,000	Movements Tracking System. Procures sets for transportation companies. CSS transportation enabling system that allows units to communicate with & track vehicle locations.
EAD/EAC SIG BN TERM	\$ 700,000	14	\$ 9,800,000	AN/USC-60 Fly Away Tri-band Tactical Satellite Terminal. Fields to 14 ea ARNG Signal Battalions. Provides multi-channel tactical satellite link critical for war fight. Will provide units capability to train for mobilizations and deploy the equipment.
			\$ 30,140,900	
MOBILITY				
HIMMVV M1097*	\$ 70,000	215	\$ 15,050,000	Backfill HIMMVVs pulled from the states to fill mob/TDA requirements. Procures the latest model M1097 which can be configured as the 4 door personnel carrier or shelter carrier. Over 9000 short.
HEMTT TANKER	\$ 301,100	9	\$ 2,709,900	Fills shortages in aviation units and other high priority units. Projected shortage of over 400 vehicles beyond projected buys through 07.
FMTV M1083 5T CARGO*	\$ 160,000	35	\$ 5,600,000	Replace M900/800 series cargo trucks in a Supply Co for mobilizing unit.
			\$ 23,359,900	
TOTALS			\$ 99,258,000	
INDICATES PRIORITY CONSIDERATION*				



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
OFFICE OF THE CHIEF, ARMY RESERVE
2400 ARMY PENTAGON
WASHINGTON, DC 20310-2400



DAAR-FP (715e)

14 October 2003

MEMORANDUM THRU DEPUTY CHIEF OF STAFF FOR PROGRAMS (DAPR-FDR),
WASHINGTON, DC 20310-0400

FOR DEPUTY ASSISTANT SECRETARY OF THE ARMY (FORCE MANAGEMENT,
MANPOWER AND RESOURCES), WASHINGTON, DC 20310-0111

SUBJECT: Fiscal Year (FY) 2004 National Guard and Reserve Equipment Appropriation
(NGREA) Acquisition Plan

1. References:

a. FY 2004 Department of Defense Appropriations Act, House Report 108-283, Conference Report to Accompany House of Representatives Bill 3658, 24 September 2003.

b. Memorandum, Office of the Assistant Secretary of Defense, Deputy Assistant Secretary of Defense for Reserve Affairs (Materiel and Facilities), 6 October 2003, Subject: Fiscal Year (FY) 2004 National Guard and Reserve Equipment Appropriation (NGREA).

2. In accordance with reference 1b, enclosed is the FY 2004 acquisition plan for the United States Army Reserve, utilizing the \$44,666,100.00 allocated for miscellaneous procurement for the Army Reserve from the FY 2004 NGREA. The acquisition plan total reflects a management adjustment of 0.742%, as noted in reference 1b.

3. Enclosure 1 contains a justification for each type of equipment since some were not items of priority consideration in the FY 2004 Defense appropriations conference report. These selected items of equipment will improve Army Reserve equipment readiness in our core competency areas of combat support and combat service support. Enclosure 2 is the requested spreadsheet indicating item quantities, costs, and remaining shortages.

4. The points of contact for this action are MAJ Dix at (703) 601-0660, or Ms. Rubin at (703) 601-3464.

FOR THE CHIEF, ARMY RESERVE:

BASTIAN W. OSKAM
Colonel, GS
Director, Army Reserve Force Programs

2 Encls
as

DAAR-FD
SUBJECT: Fiscal Year (FY) 2004 National Guard and Reserve Equipment Appropriation
(NGREA) Acquisition Plan

CF:
ASSISTANT SECRETARY OF THE ARMY (FINANCIAL MANAGEMENT AND
CONTROLLER) (SAFM-BUI-O)
DEPUTY CHIEF OF STAFF FOR PROGRAMS (DAPR-FD)
DEPUTY CHIEF OF STAFF FOR LOGISTICS (DALO-SMR)
CHIEF, ARMY RESERVE (DAAR-ZD, DAAR-ZX, DAAR-CSG, DAAR-CFMO)
COMMANDING GENERAL, U.S. ARMY RESERVE COMMAND (AFRC-FD and DCS G-4)

ARMY RESERVE
FY 2004 NATIONAL GUARD & RESERVE EQUIPMENT APPROPRIATION (NGREA)
MISCELLANEOUS EQUIPMENT PLAN JUSTIFICATION

<u>ITEM</u>	<u>QUANTITY</u>	<u>UNIT COST</u>	<u>TOTAL COST</u>	<u>SHORTFALL</u>	<u>REMARKS</u>
FMTV Light Medium Tactical Vehicle (LMTV)	54	\$126,000	\$6,804,000	4,262	See Narrative Below

LMTV is one component of the Family of Medium Tactical Vehicles (FMTV) that replaces the older version 2.5-ton truck with state-of-the-art automotive technology. FMTV is an essential enabler in fulfilling a range of missions that include major combat operations, homeland security, humanitarian, and peacekeeping missions. It is a vital element in ensuring compatibility and interoperability with the Active Component. FMTV is critical in mitigating serious readiness issues with the aging truck fleet in the Army Reserve. The FMTV fleet has demonstrated reliability nearly three times greater than the Army standard and a consistent Operational Readiness rate in excess of 95%. The Army Reserve requires a total of 4,512 LMTVs; currently, a 3,279 un-funded vehicle shortfall exists. The procurement of 54 LMTVs will fill 100% of the requirements for the FY04 Biological Integrated Detection Companies and other low-density FMTV requirements. There are LMTVs programmed in the Army's FY04-09 procurement plan for the Army Reserve. **This item is among those highlighted for priority consideration in the DoD Appropriations Conference Report of October 2003** and is #1 on the Army Reserve's 1-N List for FY04.

FMTV Medium Tactical Vehicle (MTV)	40	\$175,400	\$7,016,009	8,634	See Narrative Below
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MTV is one component of the Family of Medium Tactical Vehicles (FMTV) that replaces the older version 5-ton truck with state-of-the-art automotive technology. FMTV is an essential enabler in fulfilling a range of missions that include major combat operations, homeland security, humanitarian, and peacekeeping missions. It is a vital element in ensuring compatibility and interoperability with the Active Component. FMTV is critical in mitigating serious readiness issues with the aging truck fleet in the Army Reserve. The FMTV fleet has demonstrated reliability nearly three times greater than the Army standard and a consistent Operational Readiness rate in excess of 95%. The Army Reserve requires a total of 8,784 MTVs; currently, a 7,887 un-funded vehicle shortfall exists. The procurement of 40 MTVs will fill 100% of the requirements for the FY04 Biological Integrated Detection Companies and other low-density FMTV requirements. There are MTV programmed in the Army's FY04-09 procurement plan for the Army Reserve. **This item is among those highlighted for priority consideration in the DoD Appropriations Conference Report of October 2003** and is #1a on the Army Reserve's 1-N List for FY04.

FY04 NGREA MISCELLANEOUS EQUIPMENT PLAN JUSTIFICATION (CONTINUED)

ITEM	QUANTITY	UNIT COST	TOTAL COST	SHORTFALL	REMARKS
MTS	202	\$12,000	\$2,424,000	9,865	See Narrative Below

Movement Tracking System (MTS) provides combat support and combat service support units critical in-transit visibility for movement of personnel, supplies, and materiel. MTS uses commercial off the shelf technology that incorporates global positioning, automatic identification, communication and mapping technology into one package that provides visibility throughout the world. MTS provides the ability to reroute shipments, change priority, avoid hazards, inform operators of unit location changes, and provide leaders with the ability to make decisions based on near real-time data. MTS will be used to support Army Reserve units that are deployed in support of OIF. The Army Reserve has a requirement for 10,573 MTS and received Congressional Add funding in FY03-04. The un-funded requirement for MTS is 9,157 and there are no MTS programmed in the Army's FY04-09 procurement plan for the Army Reserve. **This item is among those highlighted for priority consideration in the DoD Appropriations Conference Report of October 2003 and is #8 on the Army Reserve's 1-N List for FY04.**

RTCH 53K	10	\$495,000	\$4,950,000	121	See Narrative Below
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The Rough Terrain Container Handler (RTCH) is a non-developmental military unique item - modified commercial front lift truck capable of lifting, moving, and stacking containers with an increased lift capacity from 50K to 53K pounds over the current system. The 53K RTCH has the improved capability to stack 9'6" containers three high (compared to 8'6" containers, two high of the 50K RTCH), with an estimated productivity increase of at least 33%. It is capable of operating on beaches, unimproved and improved surfaces. The 53K supports various CSS requirements. The procurement of 10 RTCHs will fill 100% of the RTCH requirements in 5 DS Supply Companies or 10 POL Supply Companies. There are 53K RTCHs programmed in the Army's FY04-09 procurement plan for the Army Reserve. This item is not among those highlighted for priority consideration in the DoD Appropriations Conference Report of October 2003 and is #9 on the Army Reserve's 1-N list for FY04.

FY04 NGREA MISCELLANEOUS EQUIPMENT PLAN JUSTIFICATION (CONTINUED)

<u>ITEM</u>	<u>QUANTITY</u>	<u>UNIT COST</u>	<u>TOTAL COST</u>	<u>SHORTFALL</u>	<u>REMARKS</u>
M4 Carbine Rifle	3025	\$600	\$1,815,000	6,288	See Narrative Below

The M4 Carbine Rifle is the preferred weapon over the M16A2 rifle because it is more compact, 1.1lbs lighter, has a collapsible stock, and flattop upper receiver accessory rail. The M4 Carbine Rifle achieves 85% commonality with the M16A2 rifle and replaces all .45 caliber M3 submachine guns, selected M9 pistols, and M16 series rifles. The procurement of 3025 M4 Carbine Rifles fills critical shortages to 48% of the requirement in combat support and combat service support units and will provide the capability to cross level and replace older, less reliable M16A1 rifles with M16A2 rifles. There are no M4 Carbine rifles programmed in the Army's FY04-09 procurement plan for the Army Reserve. This item is not among those highlighted for priority consideration in the DoD Appropriations Conference Report of October 2003 and is #11 on the Army Reserve's 1-N List for FY04.

PHOENIX Terminal	02	\$2,000,000	\$4,000,000	10	See Narrative Below
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The PHOENIX is a Multi-Band Super High-Frequency Terminal that meets near term reach back requirements. This procurement is critical to increasing military throughput capabilities to the Warfighter. The PHOENIX terminal will provide a critical Warfighter communication capability in the ongoing Global War on Terrorism. This procurement is critical in migrating toward transformational communications capability. With cascaded tactical satellite terminals and the procurement of two new tactical PHOENIX terminals this will allow the Army Reserve to convert one Area Signal Battalion into a fully operational Integrated Theater Signal Battalion in FY04 and integrates the capabilities of nine separate Signal SRCs into one SRC as directed by TAA-05. There are no PHOENIX terminals programmed in the Army's FY04-09 procurement plan for the Army Reserve. This item is not among those highlighted for priority consideration in the DoD Appropriations Conference Report of October 2003 and is #16 on the Army Reserve's 1-N List for FY04.

FY04 NGREA MISCELLANEOUS EQUIPMENT PLAN JUSTIFICATION (CONTINUED)

<u>ITEM</u>	<u>QUANTITY</u>	<u>UNIT COST</u>	<u>TOTAL COST</u>	<u>SHORTFALL</u>	<u>REMARKS</u>
NVI2 (Night Vision) Systems	521	\$3,435	\$1,789,635	21,872	See Narrative Below

Night Vision (NV) Image Intensification (I2) System includes a family of several different night vision intensifier systems that enable combat support and combat service support soldiers to operate more effectively and safely in day or night and under battlefield conditions. The Army Reserve has only 46% of the AN/PVS-7D and 18% of the AN/PVS-14 requirements on-hand. This includes authorized substitutions. There are no NVI2 Systems programmed in the Army's FY04-09 procurement plan for the Army Reserve. The procurement of both the AN/PVS-7D Night Vision Goggle and AN/PVS-14 Monocular Night Vision Device will fill critical shortages for units deploying in support of OIF. **This item is among those highlighted for priority consideration in the DoD Appropriations Conference Report of October 2003** and is #17 on the Army Reserve's 1-N List for FY04.

Truck, Tractor Line Haul M951A3	90	\$117,300	\$10,557,000	392	See Narrative Below
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The M915A3 Line Haul Tractor operates on established road networks to provide forces with the most efficient means of bulk transport for equipment and supplies. Transportation Companies primarily use the M915A3 for re-supply operations from ocean ports to the division support area. These tractors transport general bulk cargo, cargo containers, and fuel on companion semi-trailers. It has characteristics similar to the heavy commercial highway transport tractors. The Army Reserve requires a total of 2,445 M915A3s; currently, a 92 un-funded vehicle shortfall currently exists. Without the M915A3s, high priority Army Reserve units will continue to operate older less efficient line haul tractors that are very costly in maintenance hours, fuel consumption, repair parts, and manpower utilization. The procurement of 90 vehicles will fill current shortages and support the conversions of Transportation structure as directed by TAA-11 that will require M915A3s. There are M915A3 Line Haul Tractors programmed in the Army's FY04-09 procurement plan for the Army Reserve. It is not among the items highlighted for priority consideration in the DoD appropriations conference report of October 2003 and is #21 on the Army Reserve's 1-N List.

FY04 NGREA MISCELLANEOUS EQUIPMENT PLAN JUSTIFICATION (CONTINUED)

<u>ITEM</u>	<u>QUANTITY</u>	<u>UNIT COST</u>	<u>TOTAL COST</u>	<u>SHORTFALL</u>	<u>REMARKS</u>
Data Packages for C4E	06	\$814,276	\$4,885,656	06	See Narrative Below
<p>Command, Control, Communications, and Computer (C4E) Data Packages will ensure that Army Reserve Signal Battalions deploying/deployed in support of OIF have the capability to supply large-pipe bandwidth capability required to support data, voice, and video Defense Information Systems Network services to the Warfighter. C4E Data Packages will allow the capability to distribute services over legacy communications systems. Currently, they provide the only feasible means to provide critical services to the Warfighter at a tactical level. The procurement of 6 commercial off the shelf C4E Data Packages fills 100% of the requirement for Army Reserve Area Signal Battalions. This item is not among those highlighted for priority consideration in the DoD Appropriations Conference Report of October 2003.</p>					

NVIS Antennas for IHFRs	200	\$2,124	\$424,800	200	See Narrative Below
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The Near Vertical Incidence Skywave (NVIS) Antenna for the Improved High Frequency Radio (IHFR) vastly improves the capability over the standard issue whip antenna. The NVIS antenna is fully integrated and accepted into all branches of the US military. The components are compact, lightweight, and rapidly deployable. The NVIS provides improved short, medium, and long-range capabilities for contingency, mountainous or difficult terrain, ground to air, and covert communications. The procurement of 200 NVIS Antennas will satisfy 100% of the requirements for the IHFRs that are currently on-hand. This item is not among those highlighted for priority consideration in the DoD Appropriations Conference Report of October 2003.

TOTAL COST: \$44,666,100

***Equipment shortfall quantities exclude FY04-09 P-1R projections.**



DEPARTMENT OF THE NAVY
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
2000 NAVY PENTAGON
WASHINGTON, D.C. 20350-2000

IN REPLY REFER TO

14 Oct 03

MEMORANDUM FOR THE ASSISTANT SECRETARY OF DEFENSE FOR
RESERVE AFFAIRS

Subj: FY 2004 NATIONAL GUARD AND RESERVE EQUIPMENT
APPROPRIATION (NGREA)

Ref: (a) DAS/D, RA (M&F) memo of 6 Oct 2003

Encl: (1) FY 2004 Naval Reserve NGREA Procurement Plan

1. Per reference (a), enclosure (1) is provided.
2. My point of contact is CDR Diane Snyder, (703) 601-1862.

A handwritten signature in black ink, appearing to read "J. G. Cotton".

J. G. COTTON
Vice Admiral, U.S. Naval Reserve
Director of Naval Reserve

Copy to:
ASN(M&RA)

**NAVAL RESERVE
FISCAL YEAR 2004
NATIONAL GUARD AND RESERVE EQUIPMENT
APPROPRIATION
PROCUREMENT PLAN**

The FY 2004 Department of Defense Appropriation Bill provided \$44,600,000 in National Guard and Reserve Equipment Appropriation (NG&REA) Miscellaneous Equipment funding for the Naval Reserve. Request funding be allocated for the following Naval Reserve programs:

1. **ECP-560R1**

Funding Amount: \$ 6,000,000

The Naval Reserve currently possesses 28 ECP-560R1 kits. With the Naval Reserve Force's F/A-18 PAA dropping to 30 aircraft, procurement of two additional kits will enable a completely modified force. These kits will enable the Reserve Force's F/A-18s to fully match the capability of the active component's F/A-18Cs. This installation will create a more relevant RC and provide a uniform strike fighter force. Two kits at \$3,000,000 each = \$6,000,000.

2. **Naval Coastal Warfare Civil Engineering Support Equipment (CESE)**

Funding Amount: \$ 2,114,000

Naval Coastal Warfare Group (NCWG) -1 and NCWG-2 require 15-ton multi-use trucks for tactical mobility while deployed. Currently, over 80% of the tactical mobility assets are 1969 to 1973 vintage "deuce and a half" type trucks which are inadequate to meet the required missions.

Also required are 30Kw generators to produce adequate electricity to run mission essential equipment in the field while training and on deployment. NCWG-1 has depleted all 30Kw generators in inventory. Procurement of the trucks and generators is essential to replace assets depleted during OIF and ensures readiness for future operations. Thirty-five generator sets are required at \$14,800 each = \$518,000. Fourteen 15-ton trucks are required at \$114,000 each = \$1,596,000.

3. **H-60 Communication/Navigation Upgrade**

Funding Amount: \$1,400,000

The Naval Reserve Force currently operates six SH-60Bs. Of those six only two are equipped with a VHF capable radio and a Global Positioning System (GPS). The remaining four aircraft are UHF capable only. VHF, UHF and secure communication capability are mission essential elements for counter-narcotics operations. This

modification will install a Global Positioning System (GPS) and an ARC-210 radio in the four aircraft that are UHF capable only and configure all six aircraft with the same capabilities. Without the VHF/Secure Communication capability, the squadron is incapable of performing the mission. These capabilities are required to facilitate interoperability with Joint Inter-Agency Task Force (JIATF) agencies in the USSOUTHCOM AOR. Four kits at \$350,000 each = \$1,400,000.

4. **SH-60B Forward-Looking Infrared Radar FLIR**

Funding Amount: \$2,600,000

The Naval Reserve's lone SH-60B squadron requires four FLIR kits to adequately complete its training and mission requirements. The addition of FLIR dramatically increases the mission effectiveness by enabling critical night vision capability. Two kits were purchased with FY 03 NGRE funds and are awaiting installation. This funding will purchase two additional kits, completing the outfitting for the squadron. Two kits at \$1,300,000 each = \$2,600,000.

5. **Rough Terrain Cargo Handling Forklift - 20K**

Funding Amount: \$2,100,000

Commander Naval Expeditionary Logistics Support Force (COMNAVELSF) Material Handling Equipment (MHE) inventory consists of forklifts capable of lifting 10,000 pounds or less. Since the weight of an empty container is almost 10,000 pounds, battalion cargo handling personnel are unable to move loaded containers when training with their unit. As a result, cargo-handling personnel are unable to receive all aspects of required handling training. This procurement will improve current readiness and will significantly impact the ability of the battalion to successfully and safely conduct cargo handling operations. Fourteen forklifts at \$150,000 each = \$2,100,000.

6. **COMNAVELSF Civil Engineering Support Equipment (CESE)/Material Handling Equipment (MHE)**

Funding Amount: \$495,100

Currently, approximately 64% of the COMNAVELSF CESE and MHE inventory is over aged. While COMNAVELSF receives limited OPN funding for CESE/MHE procurement, it is insufficient to replace the quickly aging assets. Replacement of these trailers, semi-trailers and forklifts will help ensure safe and efficient cargo handling operations/training.

7. F/A-18 Advanced Multi-role Infrared Sensor System POD

Funding Amount: \$7,800,000

The current requirement is for twelve F/A-18 Advanced Multi-role Infrared Sensor System PODs (four at each of three squadrons). Procurement of three will allow Reserve Component F/A-18 aircrews at each squadron to train on equipment currently in use in the Fleet today, enabling the Reserve F/A-18 to be a more ready and relevant force. The installation of these assets will greatly reduce the training time required in the event of mobilization. Three kits at \$2,600,000 each = \$7,800,000.

8. Mobile Diving Salvage Unit (MDSU) Table of Allowance (TOA) Requirements

Funding Amount: \$722,000

Funding will procure required TOA equipment (trucks, boats and trailers) for Reserve MDSU units. All items are part of a phased replacement plan. Boat replacements are necessary to make Reserve MDSU units mirror active component units. MDSU units deploy for rapid response (Shuttle recovery, Um Qasar operations, Monitor recovery). MDSUs are also picking up additional ATFP missions stateside in conjunction with Explosive Ordnance Disposal Units, making this a current and future readiness issue as the MDSU units integrate with active units to perform port security roles.

9. E-2C Garmin GNS-530

Funding Amount: \$600,000

The procurement of the Garmin 530 is a cost effective and immediate solution for E-2C Precision Approach and an interim solution for full Common Navigation System/Air Traffic Management (CNS/ATM) compliance for all six E-2C aircraft in the Naval Reserve. It resolves the operational requirement for precision approach VOR/ILS in VAW-77 following Group II transition beginning this year—a safety of flight issue in the USSOUTHCOM AOR while deployed six months per year performing counter drug operations. Six units at \$100,000 each = \$600,000.

10. F-5 AIRCRAFT

Funding Amount: \$8,640,000

Funding will procure eight F-5 aircraft from the Swiss. These aircraft will mitigate the historical shortfall of adversary assets available for sortie generation at NAS Fallon and enable a capability to support surge adversary requirements. These aircraft are low time/Fatigue Life Expectancy aircraft. The purchase of these aircraft will ensure adversary support to 2015 and beyond. This purchase will also include a full instrument trainer and installation of a Radar altimeter (RADALT), which is a safety of flight issue.

Eight aircraft at \$1,080,000 each (includes cost of simulator and RADALT in unit cost)
= \$8,640,000.

11. Naval Construction Force - Fire Arms Training Simulators

Funding Amount: \$600,000

This procurement will provide two mobile simulators for rotation to Echelon V unit headquarters for training to maintain mission-critical military skills in small arms handling. These simulators allow use of the full range of weapons used by Seabees and have been proven to improve qualification rates and overall scores of personnel at live ranges, positively impacting current readiness. Eleven units are required. Nine are currently programmed, two additional simulators will fulfill the requirement of 11. Two simulators at \$300,000 each = \$600,000.

12. ELSF Crane Simulator

Funding Amount: \$1,950,000

Crane simulators are essential to ensure proficiency in shipboard cargo handling evolutions. This full-scale crane simulator is a replication of the actual Maritime Pre-positioning Squadron ship Haglin crane cab and provides the operator with a 180-degree view that realistically replicates actual crane operations. The total requirement is for twelve crane simulators. This procurement will decrease the requirement to two. Cost is \$195,000 each x 10 battalions = \$1,950,000.

13. C-9 Trainer

Funding Amount: \$9,000,000

The C-9B has completed an avionics modernization program to comply with CNS/ATM requirements. There is no corresponding C-9B simulator. This trainer reduces in-aircraft training requirements by 85% and meets CNO's initiative to migrate to simulation-based pilot training. One simulator at \$9,000,000.

14. Reimbursement to the Treasury Judgment Fund

Funding Amount: \$645,000

This funding will be used to reimburse the Dept of Treasury Judgment Fund for claims associated with a prior year C-9 procurement contract.



UNITED STATES MARINE CORPS

MARINE FORCES RESERVE
4400 DAUPHINE STREET
NEW ORLEANS, LOUISIANA 70146-5400IN REPLY TO
7000
CMD

OCT 24 2003

MEMORANDUM FOR DEPUTY ASSISTANT SECRETARY OF DEFENSE FOR
RESERVE AFFAIRS (MATERIAL AND FACILITIES)Subj: FISCAL YEAR (FY) 2004 NATIONAL GUARD AND RESERVE
EQUIPMENT APPROPRIATION (NGREA)Ref: (a) DASD/RA (M&F) Memo of 6 Oct 03
(b) ASN/M&RA Memo of 6 Oct 03
(c) Phoncon, Dir, Marine Corps Staff of 10 Oct 03Encl: (1) Marine Corps Reserve FY04 NGREA Procurement Plan
Summary
(2) Marine Corps Reserve FY04 NGREA Procurement Plan

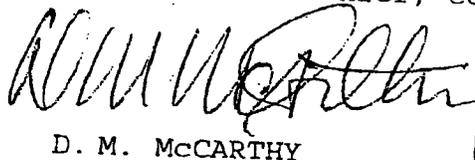
1. Thank you for the opportunity provided by reference (a) to submit our prioritized FY04 NGREA procurement plan. The attachments hereto delineate our desired procurement plan for the \$44,666,100 NGREA appropriated by Congress to the Marine Corps Reserve and is submitted as directed by reference (b) in coordination with the Director, Marine Corps Staff (reference (c)).

2. Marine Forces Reserve units stand at the ready to mobilize and deploy. This significant increase in NGREA affords an opportunity to enhance the readiness of our units to conduct any mission assigned. Our procurement plan considers lessons learned from Operation Enduring Freedom and Operation Iraqi Freedom, requirements for units slated or potentially slated to mobilize and deploy, requirements that support the war on terrorism as well as enhance mission and war fighting effectiveness, and survivability in combat. On the programmatic side our procurement plan considers the ability to obligate funds against validated programs.

3. We believe this plan responds to the needs of the individual Marine, the Total Force, and the Combatant Commanders. It provides enhanced personal protection, provides compatible and interoperable equipment, and promotes precision and speed in combat.

Subj: FISCAL YEAR (FY) 2004 NATIONAL GUARD AND RESERVE
EQUIPMENT APPROPRIATION (NGREA)

4. Given the Marine Corps ongoing global commitments, prompt release of these funds is essential and will be appreciated. My point of contact on this matter is Col M. Pfahler, commercial (504) 678-8233.



D. M. MCCARTHY
Commander
Marine Forces Reserve

Copy to:
DCMC, P&R
DCMC, PP&O
DCMC, AVN
DCMC, I&L
DCMC, M&RA
CG, MCCDC

Marine Corps Reserve FY04 NGREA Procurement Plan

Program	QTY	Unit Price	Total cost
AIRCRAFT IMRL DET PACKAGES	1	\$2,053,616	\$2,053,616
KC-130T NVL Kit	1	\$550,000	\$550,000
AN/PVS-17B	1,037	\$4,500	\$4,666,500
KC-130T ARC 210 Radio	4	\$370,000	\$1,480,000
AH-1W Electronic Warfare Suite (AFC 230)	18	\$435,000	\$7,830,000
AN/PRC-117(V)1(C)	40	\$28,000	\$1,120,000
Trusted Systems Security Container	70	\$13,000	\$910,000
Combat Vehicle Training System	3	\$1,384,812	\$4,154,436
AN/PRC-150 (C)	30	\$25,000	\$750,000
AN/PVS-17C	403	\$4,500	\$1,813,500
RT-1523B AN/PRC-119F	40	\$6,702	\$268,080
AN/PAS-13	358	\$16,626	\$5,952,108
Alternative Power Source Package	1	\$1,411,350	\$1,411,350
Digital COC capability	24	\$48,300	\$1,159,200
KC-130T EFI's	14	\$50,000	\$700,000
SMART-T AN/TSC-154	2	\$800,000	\$1,600,000
EPLRS Radios (AN/VSQ-2C)	12	\$25,000	\$300,000
Secure Iridium Satellite Phones	24	\$4,000	\$96,000
AN/PRC-150 (C)	60	\$25,000	\$1,500,000
Non-Lethal Wpns Kit - Large	3	\$117,800	\$353,400
Non-Lethal Wpns Kit - Small	3	\$41,200	\$123,600
Automotive Battery Maintenance Package	1	\$792,860	\$792,860
Embarkation Mobilization Boxes	9,900	\$100	\$990,000
Reserve Automated Support Systems (RDOL, MASS, RMSS 21)	1	\$650,450	\$650,450
1993 NGREA KC130 NVIS/HUD Cost Increase	1	\$3,441,000	\$3,441,000
		Total	\$44,666,100

Item	QTY	Unit Cost	Total Cost
AIRCRAFT IMRL DET PACKAGES	1	\$ 2,053,616	\$ 2,053,616

Justification: Global commitments have demonstrated a requirement to frequently deploy Marine Corps KC-130s, CH-53Es and other aviations assets as detachments (vice full squadrons). To ensure these detachments can be maintained and supported at multiple sites additional Individual Material Readiness List (IMRL) Tooling is required. IMRL tooling items consists of support stands, special tools, crane and hoist sets, fittings, multiple test sets, hydraulic/pressure equipment, etc. This equipment provides squadrons with the day-to-day capability to maintain combat ready aircraft. In recognition of the need for KC-130 and CH-53E detachments, appropriate Weapons System Planning Documents are being modified. Packages will support 2 four plane CH-53E dets and 1 six plane/ 2 three plane KC-130T dets. This is a recent emerging requirement subsequent to the FY04 PresBud. FY04 NGREA buys out this requirement. The program can be executed at the TYCOM/Wing Level. IMRL tooling is manufactured by numerous vendors and is available.

Item	QTY	Unit Cost	Total Cost
KC-130T NVL Kit	1	\$550,000	\$550,000

Justification: The Night Vision Lighting (NVL) kit allows KC-130 aircrew to operate the aircraft at night or in reduced visibility. Mobilization, activation, and deployment of reserve KC-130T's for OEF/OIF was directly related to reserve KC-130T's possessing NVL capability, unlike AC KC-130s. Recently returned Marine Corps Reserve KC-130 aircrew indicated NVL equipped aircraft were used extensively for night operations. The AAO is 14 aircraft configured with NVL. Eight aircraft possess NVL with 3 more kits funded, one kit currently being installed with 2 pending installation (2 funded with FY03 NGREA and one by NAVAIRSYSCOM). Two additional kits are funded in FY05. FY04 NGREA procures the remaining (14th) kit. Current plans call for the remaining 14 KC-130Ts to receive NVL capability when they undergo the AMP upgrade. This program is referred to in the FY04 NGRER and NGREA funds can be executed.

Item	QTY	Unit Cost	Total Cost
AN/PVS-17B	1,037	\$4,500	\$4,666,500

Justification: The AN-PVS-17B Miniature Night Sight (MNS) is considered a technology insertion effort and will be utilized to replace the AN/PVS-4 Individual Served Weapon Night Sight. The MNS uses Generation III image intensifier tube technology and meets or exceeds performance requirements of the current Night Vision sight. The AN/PVS-17B provides 2.25 system magnification and is designed to be used with the M16A2 rifle, M4/M4A1

Carbines, Shoulder Launched Multi-Purposed Assault Weapon (SMAW) and the new M16A4 rifle. The system is designed to provide high performance observation, quick man sized target acquisition, and aiming capabilities during night operations. The fielding of the MNS greatly increases the observation and target acquisition by the Infantryman at night. Fielding for the Active Component has been initiated. The unfunded AO for the AN/PVS-17B for the Reserves is 1,653 at \$7.4M.

Item	QTY	Unit Cost	Total Cost
KC-130T ARC 210 Radio	4	\$370,000	\$1,480,000

Justification: The ARC 210 radio provides HAVEQUICK /SINCGARS frequency hopping capability, and CNS/ATM 8.33 KHZ spacing required for European Operations. The AAO comprises 28 reserve KC-130T aircraft. Six aircraft have ARC 210 radios installed with 2 more aircraft scheduled for this year. Additionally, 10 aircraft installs are planned for FY05/FY06. Procurement of 4 kits with FY04 NGREA will leave a short fall of 6 aircraft. Failure to comply with CNS/ATM requirements will result in aircraft exclusion from preferred oceanic routes and military airspace, longer flight times, and restrictions on approach and landing. Although the ARC 210 did not make the approved Marine Corps FY 04 UPL, it is a component of the KC-130T AMP program which is funded in FY04 PresBud and a high priority shortfall discussed in the FY04 NGRER. Program funding is executable.

Item	QTY	Unit Cost	Total Cost
AH-1W Elect Warfare Suite	18	\$435,000	\$7,830,000

Justification: This EW suite includes the AAR 47 infrared warning receiver, the APR-39 V 2 radar warning receiver, all wiring, black boxes and installation cost. This change will interact with the existing ALE 39 Chaff and Flare system to protect aircraft and aircrew against IR and radar guided missiles. All equipment is Forward fitting to the H-1Z upgrade program. After action reports from OIF reflect the requirement for, "ASE to be installed in aircraft now and not wait for the Z model upgrade," which is slated to begin in the 2015 timeframe. The Total Force AAO includes 38 EW suites for reserve AH-1W's, however, no funds are provided to upgrade reserve aircraft. Procurement of 18 EW suites with FY04 NGREA leaves a shortfall of 20 EW suites. This item was included on the Marine Corps FY04 Unfunded Priorities List (and FY03 UPL). Although not included as a priority shortfall in the FY04 NGRER, recent operational experience in Afghanistan and Iraq highlight the necessity of this protective equipment. Program is executable.

Item	QTY	Unit Cost	Total Cost
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AN/PRC-117(V)1(C)	40	\$28,000	\$1,120,000
<p>Justification: The AN/PRC-117F SATCOM radio integrates the capabilities of SATCOM, SINCGARS, and encryption into one single radio. One AN/PRC-117F radio matches the capabilities of the AN/PSC-5, AN/PRC-119, AN/PRC-113 and KY-57 and greatly reduces both weight and battery consumption. Resultant of I MEF's URG UNS for OIF the AN/PRC-117F is being fielded to fill capability gaps in the operating forces for the AN/PRC-119 SINCGARS radio, AN/PRC-113 Have quick, and the AN/PSC-5 SATCOM radio. ULSS 001603-15 dated September 2003 provides unit allowance for 1st and 2nd ANGLICO previously filled during OIF. This fielding plan overlooks 3rd and 4th ANGLICO which have not been fielded any AN/PRC-117 radios. Without the AN/PRC-117F RC ANGLICO's slated to operate in support of OPLANS do not have the communications gear that will give them the best chance of success. A total of eight (four per ANGLICO) were procured under FY-03 NEGRA funding to off set RC ANGLICO deficiencies. This item was not listed in the FY04 UPL or FY04 PresBud. This proposal will bring 3rd and 4th ANGLICO to 100% T/E and fill SATCOM T/E shortages at MWCS-48 and 6TH COMM BN. These items can be executed.</p>			

Item	QTY	Unit Cost	Total Cost
Trusted Systems Security Container	70	\$13,000	\$910,000

Justification: During FY-02 MARFORRES procured sixty-six TACLANES (high speed encryption devices) to upgrade the MARFORRES SIPRNET network. The TACLANES were installed at sixty-six priority sites extending down to the squadron and battalion levels. Organizations below this level continued to access the SIPRNET via (low bandwidth) STU-III dial-in. With FY-03 NGREA funding an additional twenty-two TACLANES were procured for continued expansion. With end of the year funding (FY-03) MARFORRES procured seventy-nine more TACLANES. With this increased acquisition MARFORRES can now expand high speed SIPRNET access to include company and battery level organizations. Most company/battery level organizations do not have open secret storage approved areas. The TACLANE is a controlled cryptographic item that can only be used in an area approved up to the SECRET classification level. The Trusted Systems are security containers approved up to the SECRET level that can hold a TACLANE, router, and LAP top computer. Trusted Systems can be installed in any area offering controlled access. This system will allow MARFORRES to establish a SIPRNET point of presence in any MARFORRES organization without extensive and expensive building upgrades. These items are commercially available and can be executed.

Item	QTY	Unit Cost	Total Cost
Combat Veh Trng System	3	\$1,395,145	\$4,185,435
<p>Justification: The Combat Vehicle Training System is a new training device relevant to the LAV community. This simulator system enhances the three R's of training: realism, relevancy, and rigor. Contracted via MarCorpsSysCom, the acquisition objective is (10) systems with (3) slated for the Marine Corps Reserve. FY04 NGREA will fund (2) training devices: one for Co B, 4th LAR Bn (Frederick, MD), along with on site training, contractor support, a complete set of spares, and site preparation; and a second training device for Co C, 4th LAR (Riverton, UT), with all of the above less spares. The third training device for Co D, 4th LAR (Camp Upshur, VA) remains an unfunded requirement.</p>			
Item	QTY	Unit Cost	Total Cost
AN/PRC-150 (C)	30	\$25,000	\$750,000
<p>Justification: This proposal seeks to field an initial operational capability to the RC ANGLICO's. The AN/PRC-150 radio is an HF radio with Automatic Link Establishment (ALE) capabilities. The AN/PRC-150 is currently being fielded per ULSS 004800-15 and implements a life cycle management strategy to sustain HF capabilities previously provided for by the AN/PRC-104. The AN/PRC-104 is a legacy radio that is at high risk of loss due to passing the end of planned service life (1999). Both RC ANGLICO's have a T/E allowance for the AN/PRC-104 and both are experiencing loss in HF capabilities due to the high number of AN/PRC-104's in maintenance. ULSS 004800-15 is an expansion of a previous AN/PRC-150 fielding that provided 47 AN/PRC-150's to MARFORRES. Of the RC 47 radios none were fielded to 3rd and 4th ANGLICO. The current expanded fielding plan does not list RC ANGLICO's. This item was not listed on the FY04 UPL. This item was identified for FY03 NGREA funding with 20 AN/PRC-150's funded (10 per each ANGLICO). With the increasing AN/PRC-104 maintenance burden the RC ANGLICO's require an additional 30 (15 per) radios to maintain mission essential HF capabilities. These items can be executed.</p>			
Item	QTY	Unit Cost	Total Cost
AN/PVS-17C	403	\$4,500	\$1,813,500
<p>Justification: The AN-PVS-17C Miniature Night Sight (MNS) is considered a technology insertion effort and will be utilized to replace the AN/PVS-4 Individual Served Weapon Night Sight. The MNS uses Generation III image intensifier tube technology and meets or exceeds performance requirements of the current Night Vision sight. The AN/PVS-17B provides 4.5 system magnification and is designed to be used with the M16A2 rifle, M4/M4A1</p>			

Carbines, Shoulder Launched Multi-Purposed Assault Weapon (SMAW) and the new M16A4 rifle. The system is designed to provide high performance observation, quick man sized target acquisition, and aiming capabilities during night operations. The fielding of the MNS greatly increases the observation and target acquisition by the Infantryman at night. Fielding for the Active Component has been initiated. The unfunded AO for the AN/PVS-17C for the Reserves is 618 at \$3.1M.

Item	QTY	Unit Cost	Total Cost
RT-1523B AN/PRC-119F	40	\$6,702	\$268,080

Justification: The AN/PRC-119F SINCGARS radio is a lightweight power efficient upgrade to the AN/PRC-119D. The AN/PRC-119F was originally scheduled for fielding to MPF but due to technological advancements (less than half the weight of the 119D) it was exchanged on a one for one basis replacing a select quantity AN/PRC-119D's across the Marine Corps. The AN/PRC-119D's recovered were fielded to MPF. The RC ANGLICO's never received the AN/PRC-119D upgrade or the AN/PRC-119F exchange. Both ANGLICO's continue to operate with the original AN/PRC-119A's. Due to the reduced weight and increased power efficiency the AN/PRC-119F was identified by both ANGLICO's as mission critical for OIF. This requirement was not listed on the FY04 UPL. This is not an end item procurement and does not affect the RC ANGLICO's T/E or Marine Corps AO. The RT-1523B will replace the existing PRC-119A RT upgrading the 119A to the 119F. The existing SL-3 components will be cross-decked. These items can be executed.

Item	QTY	Unit Cost	Total Cost
AN/PAS-13	358	\$16,626	\$5,952,108

Justification: Thermal Weapon Sight (TWS) AN/PAS-13 (V3) (HTWS). The TWS is a high performance forward looking infrared (FLIR) device. The system is virtually unaffected by weather and obscurants. Primarily designed for target detection and engagement with Marine Corps crew serve weapons M2 50 Cal MG & MK19 Grenade launcher, it can also be used for all weather surveillance. The MTWS will augment existing crew-served, night vision and dramatically increases the Infantryman's target observation and acquisition during day or night. Fielding for the Active Component has been initiated. The unfunded AO for the TWS for the Reserves is 668 at \$11.2M.

Item	QTY	Unit Cost	Total Cost
Alt Power Source Package	1	\$1,411,350	\$1,411,350

Justification: This proposal seeks to procure multiple

alternative power source devices many of which have been procured by the AC. During OIF DOD backorders for the primary battery BA-5590 exceeded 200,000 batteries. Units not prepared with an alternative means of powering communications equipment were at an extreme disadvantage. Under the FY-03 NGREA program MARFORRES was authorized 1.118 million to field a rechargeable battery capability. This was a first ever effort centered on the new Soldier Portable Charger and BB-390 rechargeable battery. Initial priority was based on fielding battery chargers down to the regimental and battalion level. The number of BB-390's procured with FY-03 NGREA covered approximately 50% of the Force AO. This new proposal seeks to field additional battery chargers to the company and battery level, complete the rechargeable battery AO with the new BB-2590 lithium-ion rechargeable battery, establish an alternative power adapter capability for SATCOM and HF radios, and establish a vehicle mobile power inverter capability. There is no plan to field new battery chargers or rechargeable batteries by EPS MCSC. Battery chargers were listed by EPS on the FY-04 UPL but were not funded. Plans to field HF power adapters and inverters by EPS MCSC remain in the planning stages. When fielded MFR units receive last fielding priorities. These items are available and can be executed.

Item	QTY	Unit Cost	Total Cost
Digital COC capability	24	\$48,300	\$1,159,200

Justification: The program of record is the Operations Center Combat Operations (UOC COC). The COC equipment sets provide centralized operations facilities to collect, process, and disseminate tactical data for the commander and staff. The COC provides the commander with a Common Operational Picture (COP) as well as integrated data access and communications. The RC does not have the commercial off the shelf equipment procured by the AC to provide this capability pending UOC fielding. The UOC COC fielding for AC infantry regiments is scheduled to begin in FY-03 to FY-04 with RC regiments not scheduled until FY-06 to FY-08. The RC infantry battalions are scheduled for FY-04 to FY-07 with the RC infantry battalions not scheduled until FY-06 to FY-08. This proposal seeks to utilize commercial off the shelf equipment to establish an initial digital COC capability across 4 regiments and 14 battalions and select FSSG battalions. This initiative will minimize the growing digital divide and interoperability issues plaguing reserve units. As the UOC COC begins fielding in FY-06 this capability will be redistributed to combat support units not scheduled for fielding until FY08/FY-09. Items are commercially available and can be executed.

Item	QTY	Unit Cost	Total Cost
KC-130T EFI's	14	\$50,000	\$700,000
Justification: Eight Marine Corps Reserve KC-130T aircraft employ Electronic Flight Instruments (EFI's) (4 per aircraft). Over the years, older EFI instrument glass has become obsolete and unsupported. To ensure these aircraft can be maintained thru 2012 or until AMP is installed, the Air Force and 4th MAW elected to replace the 11 year-old EFI's with a new improved version. Four new EFI's were installed in one aircraft used in support of OEF/OIF; to date the new EFI's have worked superbly. Procurement of 14 with FY04 NGRFA coupled with assets currently on order buys out the program. This deficiency was included in the FY03 UPL and FY03 NGRFA list. It was also listed as a high priority shortfall in the FY 04 NGRER.			
Item	QTY	Unit Cost	Total Cost
SMART-T AN/TSC-154	2	\$800,000	\$1,600,000
Justification: The AN/TSC-154 is a secure tactical satellite terminal being fielded to the Marine Corps per ULSS 003232-15. This system provides a new capability to the 4 th Marine Division. The Marine Corps has an AO of 40 for the AN/TSC-154. Of those 40 only 36 are funded. The four non-funded terminals belong to the 4 th Marine Division COMM Company. This request provides funding to MCSC to procure the four terminals. This program can be executed.			
Item	QTY	Unit Cost	Total Cost
EPLRS Radios (AN/VSQ-2C)	12	\$25,000	\$300,000
Justification: The Enhanced Position Location Reporting System (EPLRS) provides the Marine Forces with a critical command, control, and situational awareness tactical data distribution network. The backbone of the EPLRS network is the AN/VSQ-2 digital data radio. The current fielding plan for EPLRS only provides six for the entire 4 TH FSSG. The lack of EPLRS radios within the CSSD was documented with an URG UNS submitted by I MEF for OIF. This UNS increased the quantity of AN/VSQ-2's within 1 st FSSG from 8 to 40. Analysis conducted by COMM Company Division has determined that an additional 12 radio's are required to support 4 TH FSSG requirements.			
Item	QTY	Unit Cost	Total Cost
Secure Iridium Sat Phones	24	\$4,000	\$96,000
Justification: The Enhanced Mobile Satellite Service (EMSS) Iridium Handset Series satellite telephone is a lightweight, handheld Future Narrow Band Digital Terminal (FNBTD) device			

designed to provide users worldwide secure voice connectivity in mobile environments. Numerous OIF AA reports document the reliability and capabilities of the secure iridium phones. ULSS 001802-15 dated September 2002 provides an AO for the RC of twelve. These were distributed to the principle RC communication units. This initiative seeks to field an additional 24 iridium phones to support the RC CAG's, ANGLICO's and three to each regiment. The regiments would support the battalions as required. This item can be executed.

Item	QTY	Unit Cost	Total Cost
AN/PRC-150 (C)	60	\$25,000	\$1,500,000

Justification: This proposal seeks to accelerate the fielding of AN/PRC-150 radios to RC units slated to operate in support of OPLANS. The AN/PRC-150 radio is an HF radio with Automatic Link Establishment (ALE) capability that is being fielded per ULSS 004800-15. The AN/PRC-150 fielding implements a life cycle management strategy to sustain HF capabilities previously provided for by the AN/PRC-104. The AN/PRC-104 is a legacy radio that is at high risk of loss due to passing the end of planned service life (1999). ULSS 004800-15 is an expansion of a previous AN/PRC-150 fielding effort. ULSS 004800-15 will field an additional 267 AN/PRC-150 radio's to reserve units during FY-05 and FY-06. This requirement seeks to accelerate the fielding of radios to select reserve units. This program can be executed.

Item	QTY	Unit Cost	Total Cost
Non-Lethal Wpns Kit-Large	3	\$117,800	\$353,400

Justification: Although the NLWCS are most applicable in Military Operations Other Than War (MOOTW), the components are intended to be useful to Marines across the range of military operations. The NLWCS was designed to equip a rifle company or platoon to provide a range of non-lethal capabilities from the individual Marine to the Company-size unit. The NLWCS consists of items divided into five distinct categories: Personnel protectors, Personnel Effectors, Mission enhancers, Training items, and assorted pouches for carrying equipment and munitions. The NLWCS-Large kit is designed to equip a company size unit. The NLWCS is employed by the Ground Combat Element of a Marine Expeditionary Unit (Special Operations Capable) with supplemental employment by Military Police who support Marine Air Ground Task Force operations as required. However, the expanded role of Reserve forces in GWOT necessitates the requirement for Non-Lethal Weapons Training for the Marine Corps Reserve. An initial AO of 3 Large Kits would provide the Marine Corps Reserve this initial capability.

Item	QTY	Unit Cost	Total Cost
Non-Lethal Wpns Kit-Small	3	\$41,200	\$123,600
<p>Justification: Although the NLWCS are most applicable in Military Operations Other Than War (MOOTW), the components are intended to be useful to Marines across the range of military operations. The NLWCS was designed to equip a rifle company or platoon to provide a range of non-lethal capabilities from the individual Marine to the Company-size unit. The MLWCS consists of items divided into five distinct categories: Personnel protectors, Personnel Effectors, Mission enhancers, Training items, and assorted pouches for carrying equipment and munitions. The NLWCS-Small kit is designed to equip a platoon size unit. The NLWCS is employed by the Ground Combat Element of a Marine Expeditionary Unit (Special Operations Capable) with supplemental employment by Military Police who support Marine Air Ground Task Force operations as required. However, the expanded role of Reserve forces in GWOT necessitates the requirement for Non-Lethal Weapons Training for the Marine Corps Reserve. An initial AO of 3 Small Kits would provide the Marine Corps Reserve this initial capability.</p>			
Item	QTY	Unit Cost	Total Cost
Auto Battery Maint Pkge	1	\$792,860	\$792,860
<p>Justification: Over the past several years the commercial industry has made significant advancements in the maintenance and recovery of automotive batteries. The use of this technology was never fielded to the Marine Corps and is not taught in service level schools. Recently the Marine Corps began fielding the latest in automotive battery technology, the HAWKER AGM Plus. The Marine Corps is not fielding the tools necessary to maintain these batteries. The HAWKER fielding is a congressionally funded five-year program that will replace all current 6T series automotive batteries. MARFORRES is currently working with TECOM to develop automotive battery maintenance training centered on the use of PULSE technology equipment. A draft MARFORRES Automotive Battery Maintenance Management Plan is under review. This initiative seeks to field the tools necessary to conduct automotive battery recovery and maintenance at every motor transport element within MARFORRES. Full implementation of this program will save thousands of dollars annually in automotive battery replacement, increase vehicle readiness, and reduce hazardous waste disposal cost by 70%.</p>			
Item	QTY	Unit Cost	Total Cost
Embark Mobilization Boxes	9,900	\$100	\$990,000

Justification: Commercial Embarkation Mobilization Boxes are constructed of specially heat-treated material to meet European Union (EU) restrictions on untreated non-manufactured wood products relating to potential infestation from the Pine Nematode. These boxes are certified to be infestation free, have the requisite stamp, and meet the EU restrictions. These boxes are durable, reusable and provide units with a critical resource for embarkation and mobilization. Due to the recent deployment of a majority of MARFORRES Units to Operation Iraqi Freedom - replacement of a number of previously purchased boxes will be required to retain adequate deployment posture. Total requirement is for 10,000 boxes.

Item	QTY	Unit Cost	Total Cost
Reserve Automated Support Systems	1	\$650,450	\$650,450

JUSTIFICATION: This initiative funds three distinct Reserve manpower management systems: Reserve Manpower Management System of the 21st Century (RMMS21), Reserve Duty on Line (RDOL), and Marine Assignment Support System (MASS). RMSS21 will enable decision makers at all levels access to information from a wide variety of data sources and provide a forecasting tool from which to make decisions. Program specifications include mobilization capability, reserve assignment processes, demographic tools, and future planning. FY04 NGREA will fund continued Phase II development. RDOL is a web-based system designed to advertise, screen and select qualified Marine Reservists for billets in SMCR units, ADSW positions and various other types duty. FY04 NGREA will fund enhanced capabilities by tying manpower plans and reserve school seat availability to billet advertisements. MASS is an assignment system currently used only by the regular component. It provides the ability to track, access, assign, and issue orders utilizing the web. FY04 NGREA will build Reserve functionality into MASS by providing for the assignment of Active Reserve Marines, Reserve 1st Sergeants, Sergeants Major, Reserve Colonels, Reserve Lieutenant Colonels, Reserve Warrant officers, and Command Screening functions. Functionality will also include the ability to issue orders utilizing the web. FY01 NGREA funded RDOL and FY03 NGREA funded RASS.

Item	QTY	Unit Cost	Total Cost
1993 NGREA KC130 NVIS/HUD Cancelled Account Bill	1	\$3,441,000	\$3,441,000

Department of the Navy memorandum "REQUEST FOR CURRENT YEAR AUTHORITY TO PAY CANCELLED ACCOUNT NATIONAL GUARD AND RESERVE EQUIPMENT (NGR&E) INVOICES" of March 10, 2003 identified unpaid

Invoices for cost increases in a FY 1993 NGREA program. This line item will satisfy the requirement to compensate the vendor for the work performed on Marine Corps KC-130 aircraft.



DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU
1411 JEFFERSON DAVIS HIGHWAY
ARLINGTON, VA 22202-3231

MEMORANDUM FOR SAF/MRR

21 OCT 2003

FROM: NGB/CF
1411 Jefferson Davis Hwy, STE 12202
Arlington, VA 22202

SUBJECT: FY04 Department of Defense Appropriations Act

The FY04 Department of Defense Appropriations Act has funded the Air National Guard (ANG) \$120M through the National Guard and Reserve Equipment Account (NGREA). The \$120M has been adjusted by an estimated .742% rescission under Section 8126A of the DoD Appropriations Conference Report to \$119,109,600.00. The FY04 NGREA equipment procurement list includes detailed information directed by the congressional defense committees.

The attachment lists items that have been and remain part of the Air National Guard's Weapon System Modernization Requirements Unfunded Priority List that has been vetted through the Air Force and forwarded to Congress.

The current plan outlined in the attachment may change throughout the year as ANG priorities change or acquisition opportunities arise. We will exercise control of the modernization funds as provided in the Conference Report. The focus of the ANG equipment purchases will remain on readiness and modernization issues. NGREA funding will be used to meet war-fighting validated requirements. Other references for more detailed information include the ANG FY04 NGRER report and the ANG FY04 Weapons Systems Modernization Requirements book.

The point of contact for this issue is Lieutenant Colonel Richard Dennee, ANG/XOR, commercial (703) 607-3513, DSN 327-3513 and email Richard.Dennee@ngb.ang.af.mil.

For 
DANIEL JAMES III
Lieutenant General, USAF
Director, Air National Guard

Attachments:

1. FY04 NGREA list
2. Readiness Justification

FY04 NGREA Equipment Procurement list

Our procurement plans for the FY04 NGREA appropriated funds are as follows:
(Items **highlighted** were mentioned for priority consideration in the DoD Appropriations Conference Report. Format directed by ODS/RA - quantity, item, unit cost, total cost and readiness justification)

Precision Strike \$39,400,000

Fighter/Attack aircraft Precision Strike systems upgrades

- 24 **Targeting pods**/\$1.4M/\$33.6M
- 6 F-15 Joint Helmet Mounted Cueing Systems/\$667K/\$4M
- 3 C-130 APN-241 Color Radars/\$600K/\$1.8M

Data Link/Combat ID \$31,510,550

Fighter/Attack, Rescue, Tanker, Transport aircraft
Data Link Gateways

- 228 F-16 Color displays/\$76K/\$17.5M
- 23 F-15 AAI/IFF (Air to Air Identification/Friend or Foe)/\$174K/\$4M
- 20 F-16 AIFF (Advanced Identification, Friend or Foe)/\$500K/\$10M

Enhanced Survivability \$45,198,000

Fighter/Attack, Transport aircraft Defensive Systems
and Armor

- 2 C-130 LAIRCM (Large a/c Infra-red Countermeasures)/\$5M/\$10M
- 18 HH-60 Concord Threat Receivers/\$111K/\$2M
- 4 PJ/CRO Patient Simulator/\$250K/\$1M
- 2 **F-16 Blk 42 229 engines**/\$4.4M/\$7.3M
- 14 F-15 220E Engine Kits/\$1.43M/\$20M (\$20M congressionally directed)
- 40 F-16 ALR-69 Antenna Optimization/\$60K/\$2.4M
- 1 A-10 Full Mission Trainer simulator/\$2.5M/\$2.5M

24-Hour Operations \$3,001,050

Fighter/Attack, Rescue & Airlift Night Vision Imaging Systems

- 350 NVGs (Night Vision Goggles)/\$8,550/\$3M

Readiness Justification

1. Targeting Pod - Current asset limitations require constant movement of targeting pods to meet critical training requirements and meet wartime capabilities tasking. Proposed procurement will reduce movement of assets and help achieve a higher level of combat readiness. TAF 302-I/II/III-A-(Revision 1), 20 Oct 89, CAF 323-00-I/II/II-A, 5 Apr 2000.
2. Joint Helmet Mounted Cueing System - Provided state-of-the-art cueing capability for aircraft sensors and weapons providing critical first look, first shot advantage. Allow ANG F-15s to mirror current Active Duty F-15 modernization program and provide the same capability. JHMCS - CAF 308-93 MNS, ORD CAF-USN 308-93-I-A, Feb 1995, CAF-USN 308-93-II-A, Dec 1996.
3. APN-241 Color Radar - Provides a critical all-weather precision airdrop and wind shear protection while reducing crucial reliability, maintainability, and sustainability (RM&S) issues. Stated procurement will complete 3 units (AK, TN, NV) and AF procurement will complete 2 units (MO,NY). APN-241 is also considered a "pre-AMP" enabler, filling a critical shortfall in current fielded mission capability as requested by the Combatant Commanders. MNS AMC/CAF/AETC/AFSOC/AFMC 301-97.
4. Color Displays - Replaces current monochrome displays which are limited in data processing due to integration of advanced components such as SADL, radar, targeting pods, and the new Commercial Central Interface Unit (CCIU). Will optimize aircraft processing capability, provide and display multiple sources of information, increasing pilot situational awareness and strengthening combat survivability and lethality. Required to support future installation of AIFF, aircraft software upgrades and the Advanced Display Processor. CAF ORD 303-76-I/II/III-D F-16C/D MSIP ORD.
5. F-15 AAI/IFF - Upgrades current system that begin to become logistically unsupportable starting in CY04. Upgrades will robust EID capability while meeting congressionally mandated Mode 5 and S requirements. TAF ROC 9 68, Feb 1968.
6. F-16 AIFF - Provides Blk 30 F-16s with an interrogator to identify friendly aircraft, reducing fratricide and dependence on other platforms to help perform the ID function. Procurement helps meet congressionally mandated Mode 5 and S requirements. CAF ORD 303-76-I/II/III-D F-16C/D MSIP ORD.
7. C-130 LAIRCM - Provides protection from current and future IR threats. LAIRCM ORD 314-92, Aug 98.
8. HH-60 Concord Threat Receivers - Provides time critical information from multiple sources to enhance mission effectiveness during CSAR operations. CAF MNS 315-92.
9. PJ/CRO Patient Simulator - fixes medical training limitations and increases medical proficiency requirements. Significantly reduces personnel requirements to spend time at local emergency rooms to meet medical training requirements.

10. F-16 Blk 42 229 engines - Replaces engines to provide significant thrust increase to meet current and future combat configurations. Current thrust limitations increase risk during combat operations. TAF 303-76-I/II/III-A (revision 1) SORD for F-16 Blk 40/42.
11. F-15 220E engine kits - Upgrades current engines to provide significant thrust, reliability, and maintenance benefits. CAF (AFLC 002-89)-III-A, 21 Feb 1996.
12. F-16 ALR-69 Antenna Opt - Upgrades antenna's to correct previous RWR modification installation error. CAT II deficiency number FA4520960002.
13. A-10 Full Mission Trainer - Procures one simulator to meet current unfunded requirement (3 of 6). The A-10 Precision Engagement modification program will only fund for 3 of 6 simulators. Procuring one simulator will ease training deficiencies and reduce travel costs significantly.
14. Night Vision Goggles - Provides goggles to meet critical nighttime training requirements and combat requirements. Combat operations require units to deploy with NVGs. Fills a critical combat requirement shortfall.



DEPARTMENT OF THE AIR FORCE
HEADQUARTERS UNITED STATES AIR FORCE
WASHINGTON, DC

13 OCT 2003

MEMORANDUM FOR DEPUTY ASSISTANT SECRETARY OF THE AIR FORCE
(MANPOWER AND RESERVE AFFAIRS)

FROM: AF/RE

SUBJECT: Fiscal Year (FY) 2004 National Guard and Reserve Equipment Appropriation
(NGREA)

Reference: DASD/RA memo, Fiscal Year 2004 National Guard and Reserve Equipment
Appropriation (NGREA), dated 6 Oct 03

1. In response to your request, we are providing the Air Force Reserve Command FY2004 modernization priority assessment list as required by the FY 2004 Defense Appropriations Conference Report. As specified in your memo, we have developed a list consisting of \$44.666 million in miscellaneous equipment and aircraft modernization.
2. If your staff requires additional information on this programming action, please have them contact Lt Col Aubrey McKinney, AF/REOR, 695-5046.

A handwritten signature in black ink, appearing to read "James E. Sherrard III".

JAMES E. SHERRARD III, Lt Gen, USAF
Chief of Air Force Reserve

Attachment:
AFR FY 2004 NGREA Priority List and Acquisition Strategy

AFR FY 2004 NGREA Priority List and Acquisition Strategy

FY04 AFR Procurement Plan	FY04 Qty	Unit Cost (\$M)	FY04 Cost (\$M)	Cumulative Cost (\$M)	Congressional Priority Consideration
F-16 Litening Pod Upgrade Modification	36	0.410	14.76	14.760	Yes
F-16 Litening AT Pod Procurement	11	1.300	14.30	29.060	Yes
APN-241 Radar Replacement for C-130E/H	8	0.884	7.07	36.132	
F-16 Display Processor (Multi-year - NRE in 02)	80	0.080	6.40	42.532	
Command Post Console Upgrades (4 consoles / 9 radios)	1	1.52	1.52	44.052	Yes
Dobbins Telephone Switch Upgrade/Expansion	1	0.410	0.41	44.462	Yes
AT/FP Equipment	1	0.204	0.204	44.666	

F-16 Litening Pod Upgrade Modification

Total procurement Qty / Cost	FY04 Qty / Cost	Remaining Shortfall	Procurement Strategy
36/\$14.76M	36/\$14.76M	None	AFRC/XPR will work with Precision Attack System Program Office (PASPO) to secure contract for upgrade by contractor as well as follow on CLS.
<p>Requirement: The Litening II can be modernized to a 1 degree field of view 512K, third Generation FLIR, and a two-circuit card assembly (CVA#1, CPU#1) that would be installed in the current pod System Electronics Unit (SEU). This enables significant image sharpening, Auto Target Track, Auto Target Cueing, and IAM quality target coordinate generation.</p>			
<p>Remaining Shortfall plan: None. This will upgrade all AFRC Litening II's to the AT configuration</p>			

F-16 Litening AT Pod Procurement

Total procurement Qty / Cost	FY04 Qty / Cost	Remaining Shortfall	Procurement Strategy
11/\$14.3M	11/\$14.3M	None	AFRC/XPR will work with Precision Attack System Program Office (PASPO) to secure contract for procurement of pods as well as follow on CLS.
<p>Requirement: AFR and ANG have the LITENING II targeting pod in the inventory. AFR requires more to support Operation NOBLE EAGLE (ONE), Operation ENDURING FREEDOM (OEF) and local training. The requirement is for 10 additional targeting pods plus a full spares kit, for the AFR to support ONE, OEF, and future contingencies.</p>			
<p>Remaining Shortfall plan: None. This will complete the requirement for F-16 Targeting Pods.</p>			

APN-241 Radar Replacement for C-130H2 Aircraft

Total procurement Qty / Cost	FY04 Qty / Cost	Remaining Shortfall	Procurement Strategy
52/\$45.9	8/\$7.07M	44/\$38.9M	The C-130 System Program Office (SPO) has a contract to install the APN-241 on a number of Air National Guard aircraft. AFRC will work through the C-130 SPO to use the same contract.
<p>Requirement: The APN 241 is the AMC standard radar to replace the APN-59 for combat delivery aircraft. The current APN-59 radar system does not meet mission reliability, maintainability, and supportability requirements. Cost to maintain an antiquated APN-59 system is becoming prohibitive.</p>			
<p>Remaining Shortfall plan: Continue to support the C-130 AMP program and work with Congress to secure outyear funding to continue the radar replacement program.</p>			

F-16 Display Processor Replacement

Total procurement Qty / Cost	FY04 Qty / Cost	Remaining Shortfall	Procurement Strategy
80/\$6.4M	80/\$6.4M	None	AFRC partnered with ANG for the non-recurring engineering, trial installation and testing using FY01 0350 funds. FY04 funds will be used to procure production kits and accomplish the installation.
<p>Requirement: Replacement of aging multi-function displays and display processors with newer state-of-the-art display processor and color multifunction displays is needed in order to capture current and future upgrades to the system. Installation will occur in all 70 AFR aircraft; 10 spares kits will also be procured.</p>			
<p>Remaining Shortfall plan: None. This will complete the requirement for F-16 Display Processors.</p>			

Command Post Console Upgrades

Total procurement Qty / Cost	FY04 Qty / Cost	Remaining Shortfall	Procurement Strategy
9/\$2.268M 9/\$0.512M	4/\$1.008M 9/\$0.512M	5/\$1.26M	The four command post consoles and nine radios will be acquired by HQ AFRC/SC using existing GSA contracts.
<p>Requirement: Original requirement was for 10 consoles at \$252K each for a total of \$2.52M, however, the 0350 requirement was recently reduced to nine consoles. The requirement was further updated to include a radio upgrade to the Robins and Patrick command posts at a total cost of \$512K for nine radios. The requirement now stands at a total of \$2.78M. The \$1.52M FY04 0350 allocation to this requirement will fund the nine radios for the command posts and four of the \$252K consoles. That leaves a shortfall of \$1.26M for five consoles at \$252K each.</p>			
<p>Remaining Shortfall plan: Submit shortfall requirement to the FY05 RROC for inclusion in the AFRC FY05 0350 program funding plan, or advocate funding through the next AFRC POM submission.</p>			

Dobbins Telephone Switch Upgrade/Expansion

Total procurement Qty / Cost	FY04 Qty / Cost	Remaining Shortfall	Procurement Strategy
1/\$.41M	1/\$.41M	None	As soon as funds are received, the switch expansion/upgrade will be contracted out under the WIDTS Contract, Department of the Air Force, Directorate of Contracting, OO-ALC/LHKS, to be administered and implemented by GENERAL DYNAMICS.
<p>Requirement: Existing missions, coupled with current world situations has saturated the base switch capacity. At present, the NAS Atlanta side is at zero numbers and the AFRC side has less than 20 numbers of the 4,000 numbers residing on the MSL-100. Specifically, the MSL-100 has exhausted all of its DS-1 inputs. In addition, the links between the host and the remote switches are insufficient to provide the Navy the expected level of service. Without the proposed switch upgrade/expansion, current, pending, and new mission commitments cannot be met, and there is no flexibility for additional customer requirements. Estimated cost includes. Line Trunk Controller expansion, \$200K + Line Module at host, \$ 70K + Line Module at remote, \$140K, for a total = \$410K.</p>			
<p>Remaining Short fall plan: None. Program will be complete.</p>			

Anti-Terrorism/Force Protection (AT/FP) Equipment

Total procurement Qty / Cost	FY04 Qty / Cost	Remaining Shortfall	Procurement Strategy
4/\$2.7M	1/\$.2041M	3/\$2.5M	Funding will help in buying down the requirement for the 94 th Airlift Wing CCTV projects.
<p>Requirement. The 94th Airlift Wing requires Closed Circuit Television System to mitigate threats to the Numbered Air Force Headquarters and the off-station Visiting Officer Quarters. This falls under the Antiterrorism/Force Protection umbrella and is a key component of the Integrated Base Defense CONOPS as it aids the security forces in maintaining visual observation of vulnerable areas on the installation and off installation. The projected cost for both projects is \$301,000. Funding will assist in buying down the total project costs.</p>			
<p>Remaining Short fall plan: Continue to pursue remaining \$89,000 to complete this project.</p>			