

**NOTIFICATION OF RIGHTS AND OBLIGATIONS
PRIVACY ACT STATEMENT
CIVILIAN**

1. AUTHORITY: 10 U.S.C. 3013; 5 U.S.C. 1213.
2. PURPOSE: The purpose for collecting this information is to obtain facts and make recommendations to assist the Department of the Army in determining what action to take in response to the United States Office of Special Counsel's letter, captioned "OSC File No. DI-00-1499," to the Secretary of the Army.
3. ROUTINE USES: Information you provide will be used to document relevant facts regarding the incident concerned. It will be used to determine the cause(s) leading to the incident, establish individual responsibilities, and make recommendations for appropriate corrective or administrative actions. Additionally, this information may be disclosed to Office of the Special Counsel officials who have a need for the information in the performance of their duties.
4. DISCLOSURE: The information you furnish is voluntary. Answers you may give to the questions put to you during this interview, or any information or evidence which is gained by reason of your answers, may not be used against you in a criminal proceeding, except that you may be subject to criminal prosecution for any false answer that you may knowingly give under any applicable law, including Title 18 United States Code Section 1001.

I acknowledge that I have been given the above Notification of Rights and Obligations at the beginning of the interview being held on this date.

<u>CLARENCE DANIELS</u>	<u></u>	<u>14 July 2009</u>
Printed Name	Signature	Date

REPORT NO. 3-15510/3R-001
 PAGE NO. 1 OF _____
 COPY NO. _____

TITLE	
MLRS THIRTY-FIFTH QUARTERLY ECP COST IMPACT REPORT	
SUBMITTED UNDER	
CDRL SEQ. A085, DI-MISC-80857 (ESM 1.2.112)	
REPORT NO.	DATED
3-15510/3R-001	4 JANUARY 1993
MODEL	CONTRACT NO.
MULTIPLE LAUNCH ROCKET SYSTEM	DAAH01-92-C-0243
DATE ISSUED	SUPERSEDED BY
15 JANUARY 1993	3-15510/2R-007



LORAL Vought Systems Corp.
 Post Office Box 650203
 Dallas, Texas 75265

J. M. Stuckert
 PREPARED:

J. M. STUCKERT
 Project Engineer
 Design-To-Cost

W. M. Grubbs III
 REVIEWED/APPROVED:

W. M. GRUBBS III
 Manager - MLRS
 Design-To-Cost

J. A. Calaci 15 Jan.
 APPROVED:

J. A. CALACI
 Project Manager
 Value Engineering and
 Design-To-Cost

ROM ESTIMATE: LRP IV/MYP-I
 TABLE 2-2 ECP COST IMPACT ANALYSIS

ECP (RFC)	DESCRIPTION	THEN YEAR \$			APR 82 \$ PY I-VII RECURRING
		ES	IPF	LRP IV RECURRING	
0021	FIN LUG INSPECTION GAGE	1,051	-	-	-
0035	FINAL FUZE CONFIGURATION	173	-	266,709	-
0052	FUZE LAT SAMPLE INCREASE	-	-	61,284	-
0055	ADD COLOR TO W/H FOAM SUPPORTS	1,002	-	-	-
0059R3	UMBILICAL SPEC CHANGE	859	-	-	-
0074	TIE DOWN BRACKET	-	-	-	-
(0379)	INSPECTION GAGE REV.	1,632	-	-	-
0093C1	OPTIONAL PHOSPHATE ON MOTORCASE THREADS	5,241	-	(7,932)	-
0105R1	SPIN BALANCE CHECKING	-	325,595	(119,563)	-
0107	REVISE FIN CANT ANGLE INSPECTION	10,528	63,524	8,312	-
0135	WARHEAD STRUCTURE-DRAWING CORRECTION, HOLE PREP.	1,339	-	-	-
0152R2C1	PRACTICE ROCKET REDESIGN	184,902	813,033	-	(1,607,959)
0158	CLARIFY FUZE SIMULATOR ASSEMBLY DRAWING	12,526	-	-	-
0164	INSTALLATION OF ADDITIONAL DESSICANT	560	-	-	149,345
0168R2	MOTORCASE MACHINING CHANGES	2,229	-	-	-
0187	HYDROSTATIC TESTER ASSEMBLY MOTORCASE	9,865	58,786	-	-
0188R1	ADD POST SPOTWELD SHOT BLAST OF MOTORCASE	-	-	48,958	373,398
0192R2	ROCKET POD HOIST BEAM DIMENSION CHANGE	1,653	-	-	-
0196R1	MOTORCASE SIE	9,760	-	-	-
0204	FUZE CUSTOM INTEGRATED CIRCUIT	26,348	-	-	-
VFCP	ROCKET POD BULKHEAD LT. WGT. CASTINGS	-	-	-	(179,233)
0205	(ADVANCE MATERIALS)	-	-	-	-
0225	MOTORCASE RUST PREVENTIVE OIL	1,018	-	-	-
0231	ADHESIVE ADDITION- FUZE	-	-	3,800	-
0239	GAGE ASSEMBLY - FIN ASSEMBLY SIE	1,180	-	-	-
0241	REDESIGN FOAM OJIVE SUPPORTS	7,057	5,640	-	-

* INDICATES CHANGE

ROM ESTIMATE: LRP IV/MYP-I
 TABLE 2-2 ECP COST IMPACT ANALYSIS

ECP (RFC)	DESCRIPTION	THEN YEAR \$			APR 82 \$ PY I-VII RECURRING
		ES	IPF	LRP IV RECURRING	
0252	ROCKET SPIN BALANCE REQUIREMENT CHANGE	2,788	-	575,000	-
0253	BURSTER END PLUG THREAD CLARIFICATION	874	-	-	-
0254	MUNITION FOAM SUPPORT TDP UPDATE	672	-	-	-
VECP					
0255	WARHEAD RIVET CHANGE	15,707	-	(29,401)	(567,598)
0268R2	ELIMINATE INTERFERENCE BETWEEN MUNITIONS AND PROTECTIVE CAP	1,124	28,000	250	-
0279	MOTORCASE ASSEMBLY SIE	7,561	39,537	-	-
0284R2	FIN SPRING OVERLAP DIMENSION CHANGE	12,346	-	-	-
VECP					
0291	DELETION OF PRIMER ON FORWARD BULKHEAD AND NOSEBODY	5,081	-	-	(311,805)
0297R1	ACCEPTANCE GAGE FIN ASSY.	4,404	-	-	-
0322	CENTER CORE BURSTER CIVR CHANGES	4,178	-	-	-
0323	INCORPORATE CIVR CHANGES INTO FIN RESTRAINT IDP	1,843	-	-	-
0325	SIE GAGE ASSEMBLY ACCEPTANCE FIN LUG	2,036	1,150	-	-
0331	ADD CHAMFER TO GFE ITEMS	3,588	-	-	-
0340	ADD FINISH REQUIREMENT TO SPIN BALANCE WEIGHT	1,815	-	-	-
0399	CLARIFY LOT ACCEPTANCE TESTING FOR DUAL FIN RESTRAINT ASSEMBLY	11,114	-	-	-
0408	GAGE ACCEPTANCE DETENT FITTING	2,859	-	-	-
0419R2	SIE GAGE ASSEMBLY	2,191	-	-	-
0475	SIE DOCUMENTATION CORRECTIONS IIP 1000	1,785	-	-	-
0485	REVISIONS & ADDITIONS OF ALTERED PARTS TO PRACTICE WARHEAD	18,267	-	-	-
0486	ADD SQUAPS	2,174	-	-	-
C1033					

* INDICATES CHANGE

ROM ESTIMATE: LRP IV/MYP-I
 TABLE 2-2 ECP COST IMPACT ANALYSIS

ECP (RFC)	DESCRIPTION	THEN YEAR \$			APR 82 \$ PY I-VII RECURRING
		ES	IPF	LRP IV RECURRING	
0501C1	REDESIGN SABOT GAGE	7,021	4,515	-	-
0550	FUZE SIMULATOR				
(1223R1)	PERFORMANCE REQUIREMENTS	4,759	-	-	-
0558	CREATE NEW CLAMP ASSEMBLY				
C1201		14,663	-	-	-
0568R1	ROCKET ASSY WEIGHTS	DISAPPROVED			
(1252)	ON MOTOR CASE				
0570	DOWNGRADE SPECIFICATIONS				
(1232)		5,299	-	-	-
0572	MOTOR CASE INSPECTION				
	MACHINE MOD	7,094	-	-	-
0574R1	WELD READ DEFINITION				
VFCP	FUZE PACKING CHANGE M445	1,082	-	-	(36,402)
0593					
VFCP	FIN SPRING ID REMOVAL				
0594		1,543	-	-	(106,037)
VFCP	COLOR DELETION				
0595	(IMPLEMENTATION COSTS)	-	-	-	(68,986)
0613	CORRECTION OF TDP (MTE				
(1320)	SPECS) MIS-36671 & 36681	2,696	-	-	-
0614	SURFACE FINISH REVISIONS-				
(1302)	CAPS/WARHEAD	1,715	-	-	-
0617	SIE OI & PL AND SQAP CHGS.				
(1321)	ON FIN HINGE & W/H STRUCT	3,503	-	-	-
0619	ROCKET ASSY WEIGHTS	1,881	-	-	-
0625	UPDATE OF PROCESS SPEC.				
	FOR RKT MTR CASE WELD.	1,042	-	-	-
0632	MOTOR CASE ASSY-FIN				
	HINGE DIMENSION CHANGE	1,042	-	-	-
0633R1	DIMENSIONAL CHANGE IN				
(1285R1)	FOAM RECESS	1,042	-	-	-
0638	CONSTRAINING FIN HINGE				
(1344)	LUG FOR DRILLING	1,077	-	-	-
0638-1R1	ACCEPTANCE GAGE FIN LUG				
(1352)		6,087	17,000	-	-
0645R2	MOTOR CASE ASSEMBLY				
(1375R1)	SQAP CHANGES	4,102	-	-	-

*INDICATES CHANGE

ROM ESTIMATE: LRP IV/MYP-I
 TABLE 2-2 ECP COST IMPACT ANALYSIS

ECP (RFC)	DESCRIPTION	THEN YEAR \$			APR 82 \$ PY I-VII RECURRING
		ES	IPF	LRP IV RECURRING	
0649R1 (1288)	BLKHD INSPECTION FIXTURE	3,594	12,000	-	-
0652 (1367)	HINGE PIN STAKING-ROCKET	2,796	-	-	-
VECP					
0659 (1404R1)	ALT. PROCEDURE FOR PROPELLANT MECH. PROPERTIES TESTING CANCELLED 2-7-89				
0660 (1360)	CHANGE CONFIGURATION OF RKT ASSY. FOR SPIN BALANCING	1,886	-	-	-
0661	QAP FOR ROCKET DETENT FITTING	CANCELLED 2-29-88			-
0667 (1425)	GRENADE ORIENTATION - WARHEAD	2,129	-	-	-
0669 (1389R1)	REVISE SIE TORQUE LIST FIXTURE & UPDATE OI'S	4,403	-	-	-
VECP	DELETION OF PAINT PRIMER				
0706	ON FIN	CANCELLED 12-07-89			-
0709 (1475)	AT2 W/H UMBILICAL	CANCELLED 2-17-90			-
0710 (1477)	IGNITOR MOUNT DIM CHG.	2,096	-	-	-
0712R2	SIE GAGE/FIN LUG	1,932	-	-	-
0714 (1479)	W/H WEIGHT HEAVY GRENADE	4,634	-	-	-
0719 (1492)	SMOKE CAN. ASSY.-REDESIGN	2,917	-	-	-
0720 (1478R1)	SIE-CHANGE TO OI'S	4,490	-	-	-
0735 (1503)	CORRECTION OF SABOT SQAP	1,252	-	-	-
0741 (1501)	WARHEAD DRAWING CLEANUP	2,101	-	-	-
0747 (1488R1)	MOTOR CASE SPOT WELD	1,247	-	-	-
0756 (1540)	SABOT DIMENSION CHG.	1,247	-	-	-
0764 (1580)	WARHEAD DRAWING CHANGES	2,989	-	-	-

*INDICATES CHANGE

ROM ESTIMATE: LRP IV/MYP-I
 TABLE 2-2 ECP COST IMPACT ANALYSIS

ECP (RFC)	DESCRIPTION	THEN YEAR \$		
		ES	IPF	LRP IV RECURRING
0795 (1595)	CHANGES TO FIN RESTRAINT			
VLECP	FIN ASSEMBLY RIVET	4,103	-	-
0808	CHANGE	2,041	-	7,782
VLECP	FIN SPRING LENGTH			
0814	REVISION	1,741	-	(43,894)
0827	NOSEBODY SQAP/DWG COR	3,294	-	-
C0989R1	MOTORCASE CHANGES	DISAPPROVED	-	-
0863 (1693)	CHG. WEIGHT LOCATION	5,500	-	-
(1798)	FIN CASTING STRAIGHTNESS	1,643	-	-
0869 (1301R1)	MOTOR CASE CHANGES	CANCELLED 11-26-90	-	-
C1073R1	ADDITION OF SECTION TO MIS-31847A FOR PIM INFO.	CANCELLED	-	-
1082	XM447 FUZE CORRECTIONS	6,143	-	-
1295R1	CLARIFICATION OF FIN RESTRAINT INSTALLATION	CANCELLED	-	-
1311	ADD OPT. IDENTIFICATION SYSTEM FOR ROCKET MOTOR	5,295	-	-
1314R1	CHANGE FIRST CONTOUR PTS. OF MOLDED NOZZLE ASSY.	1,565	-	-
1316R1	ADD SECOND PRESSURE	2,253	-	-
1319	TRANSDUCER REV.OF DIMENSION TOLERANCE RKT. MOTOR INSULATOR	1,131	-	-
1322R2	DELETE MAXIMUM REQUIRE- MENTS ON CARBON FIBERS	1,018	-	-
1325R1	STAB CRIMP IGNITER SLEEVE	1,356	-	-
1326	REVISION OF MECHANICAL PROPERTIES CRITERIA	DISAPPROVED	-	-
1327	REV.OF TAPE AND OPER- ATIONAL PROCEDURE /NOZZLE THREAD INSPECTION	DISAPPROVED	-	-
1328	REV. NOZZLE MACH. DWG. TO REFLECT ORIG. INTENT	1,185	-	-
1329	REGROUPING REWORK LOTS	1,262	-	-

* INDICATES CHANGE

ROM ESTIMATE: FY '86/FY '87-88/MYP-II
 TABLE 2-4 ECP COST IMPACT ANALYSIS

ECP (RFC) DESCRIPTION	ES	THEN YEAR \$		MYP-II PY I-V RECURRING
		FY '86 RECURRING	FY '87-88 RECURRING	
0932 (1883) UPDATE DOCUMENT REFERENCE IN ROCKET ASSY. SQAP'S	2,763	-	-	-
0935 (1861) REPL PRESSURE TRANSDUCER ON MOTORCASE HYDRO TESTERS SIE	2,336	-	-	-
0942 (1849) PROVIDE ALT. MFG. METHOD FOR THE MOTOR CASE	4,926	-	-	-
0947 (1902) WARHEAD ASSEMBLY - DRAWING NOTE CORRECTION	2,695	-	-	-
0964 (1907) UPDATE SMOKE CANNISTER TDP	9,614	-	-	-
0995 (2010) REMOVAL OF PRIMER AND PART NUMBER FROM BURSTER NUT	1,741	-	-	(14,547)
0998 (1944) ROCKET MOTOR CASE DWG. NOTE CLARIFICATION	2,282	-	-	-
1254 (1977) ROCKET STATUS SIMULATOR CCA CHANGES	CANCELLED 03-11-91	-	-	-
1334 (1837R2) REVISE ROCKET MOTOR MIS - 30130	2,346	-	-	-
1398 * (1862) REVISE ROCKET MOTOR ROCKET FIN HINGE PIN	7,278	-	-	-
1423 (CR0108) RETAINER ROCKET (VECP)	5,599	-	-	(1,400,000)
1463 (CR0165) REDESIGN OF ROCKET FIN	2,972	-	-	-
- (1917) CHANGE SIE W/H SKIN GAUGE INDICATOR	2,674	-	-	-
2310 (1816) FUZE - ATTACHMENT OF SPACER TO LEAD HOUSING	CANCELLED 9-14-90	-	-	-
2314 (2017R3) REV OF FUZE/FCS INTERFACE REQUIREMENTS	7,335	-	-	3,637,266
2311 (1852) FUZE IC "BI-POLAR CHIP" SECOND SOURCE	3,244	-	-	-
2319 (0153) M445 SETTING SEQUENCE TIMING DIAGRAM CORRECTION	6,757	-	-	-
2320 * (0185) SIE - FZ SETTER SOFTWARE	2,768	-	-	-
2321 * (0227) CORR. FZ SIE OPERATING INSTRUCTIONS	2,919	-	-	-
4014 (E0020) ADDN'L SOURCES OF SUPPLY & MAT'L SUBSTITUTION	7,456	-	-	-
MISCELLANEOUS	24,936	-	-	-
*INDICATES CHANGE	\$102,641	\$0	\$0	\$2,222,719

ROM ESTIMATE: LRP IV/MYP-I
 TABLE 3-2 ECP COST IMPACT ANALYSIS

ECP (RFC)	DESCRIPTION	THEN YEAR \$			APR 82 \$ PY I-VII RECURRING
		ES	IPF	LRP IV RECURRING	
0001R1C1	LAUNCH TUBE SEAL COAT ON MACHINFD SURFACES	195	-	(160,530)	-
0016	REVISE MARKING INSTRUCTIONS	6,619	-	-	-
0023R1C3	ROCKET POD RIVET LOCATION AND SEALANT CHANGE	20,423	(33,879)	-	-
0033	ROCKET POD LEAK TEST SET IMPROVEMFNTS	9,380	15,350	-	-
0039	ELEFTRIC CABLE SHTFLD TFRMINATION AND SEALANT CHANGES	2,126	-	-	-
0098	LAUNCH TUBE POSITION RE-DIMENSIONING	2,245	-	-	-
0108	SKID ASSEMBLE BOTTOM PLATE RADJUS CHANGE	1,401	-	-	-
0157	ROCKET POD GROOVE PIN RELOCATION	3,622	-	-	-
0170R1	BULKHEAD MACHINTNG	4,360	-	-	-
0171R1	TORQUE CHANGE FOR CONDUIT MOUNTING SCREWS	1,791	-	-	-
VECP	ROCKET POD LIGHT WEIGHT CASTINGS (ADVANCE MATLS.)	178,631	-	-	(698)
0212	RIVET GRASP LENGTH CHANGE, ROCKET POD	4,733	-	-	-
0223	ELECTROSTATIC DISCHARGE PROTECTION FOR TRAINER ELECTRONICS	8,224	-	-	-
0235	RPC GAGE PIN CHANGE	1,266	-	-	-
0248	RCKET POD TRAINER	3,701	-	-	-
0259	ROCKET POD BULKHEAD CHANGE	13,445	-	-	-
VECP	FLATBED LP/C TIEDOWN REVISION (FINAL MOD)	-	-	(56,805)	(262,726)
0273	SIE BULKHEAD ACCEPTANCE FIXTURE	13,135	20,720	-	-
0286R2	PROVIDE LONGER TEST HOSES	2,959	-	-	-
0295R2	ROCKET POD SEALANT	3,018	-	-	-
0298R1	REVISE NOTE TO CHANGE MARKING INSTRUCTIONS	1,924	-	-	-
0326					

*INDICATES CHANGE

ROM ESTIMATE: LRP IV/MYP-I
TABLE 3-2 ECP COST IMPACT ANALYSIS

ECP (RFC)	DESCRIPTION	THEN YEAR \$			APR 82 \$ PY I-VII RECURRING
		ES	IPF	LRP IV RECURRING	
0687 (1441)	GLENAIR CABLE TESTER DRAWING CHANGE	2,056	-	-	-
VECP	ROCKET POD STRUCTURE				
0690	RIVET QUANTITY CHANGE	CANCELLED 12-05-90		-	-
0691	SNVT MANUAL TESTER REV.	2,101	-	-	-
0693	HYDROSTATIC TESTER MOD.	4,644	-	-	-
0695	REVISE MIS-31860 FOR RP WEIGHTS	4,192	-	-	-
0697	HOIST BEAM SQAP CHANGE	1,288	-	-	-
0699	LOCK SPRING DWG CORRECTION	1,262	-	-	-
0700	SUPPORT ASSY EL ACTUATOR	1,252	-	-	-
0701 (1363)	CORRECTION OF RIVET HOLE SIZES ON RP/C ASSY.	1,886	-	-	-
0702	SUPPORT ASSY-HOIST DWG. CORRECTION	1,262	-	-	-
0704 (1444)	HOLE & SQAP DELETION - RESTRAINING PROBE	1,220	-	-	-
0751 (1548)	HYDROSTATIC TESTER SIE MOD.	2,940	-	-	-
0756-1	SABOT SIE GAGE MOD.	4,404	-	-	-
0775	REVISE MIS-31718	1,736	-	-	-
0799	HYDROSTATIC SIE-REDESIGN	6,990	-	-	-
0803	HYDROSTATIC SIE	2,161	-	-	-
0809	ROCKET POD HARNESS INSTALL. CLARIFICATION	3,140	-	-	-
0833	RKT POD DETENT - SQAP CHG.	8,077	-	-	-
0864 (1717)	CORRECT CABLE RESISTANCE	CANCELLED 2-26-90		-	-
0864-1	RP HARNESS SIE CHANGES	CANCELLED 2-26-90		-	-
0881	RP MIS - 31867 CHANGE	1,643	-	-	-
0883	RP FIN RESTRAINT CHANGE	2,613	-	-	-
0892	RP STACKING PIN	5,644	-	-	-
0898 (1813)	AFT TUBE COVER ALTERNATE MATERIAL	1,794	-	-	-
C0888	DWG. AND MIS CLARIFICATION AND CORRECTION	CANCELLED	-	-	-
- (1315)	RP THREADED SHOULDER PIN DWG. CHANGE	1,695	-	-	-

*INDICATES CHANGE

ROM ESTIMATE: LRP IV/MYP-I
 TABLE 3-2 ECP COST IMPACT ANALYSIS

ECP (RFC)	DESCRIPTION	THEN YEAR \$			APR 82 \$ PY I-VII RECURRING
		ES	IPF	LRP IV RECURRING	
1331 (0755, 1251, & 1473)	RP & SIE DOC. CHG.	2,816	-	-	-
1400	LAUNCH TUBE MIS AND DWG. ERROR CORRECTION	2,943	-	-	-
1404	LAUNCH TUBE FWD.BORE DIAMETER REVISION	3,366	-	-	-
1405R1	DRAWING AND MIS SPECIFICATION CORRECTION	5,472	-	-	-
1407 (1326)	DOCUMENTATION CHANGES	1,047	-	-	-
- (1408)	REVISE WOVEN GLASS TAPE SPECIFICATION	1,042	-	-	-
VICP 1409	SUB. VEIL MAT FOR CLOTH IN LAUNCH TUBE RAILS & REDUCE RAIL ROVING, VECP CONCEPTS 146 AND 155 RESPECTIVELY	3,584	-	-	(403,917)
1410	INCRP. OF LAUNCH TUBE STD REPAIR PROCEDURE	1,262	-	-	-
1411	LAUNCH TUBE REV. TO GRND CAL. CARB. SPEC. MIS-34851	1,643	-	-	-
1412	RKT. POD MIS-31954 CORRECT.	1,643	-	-	-
1413 (1720)	REVISE MIS-34853 LAUNCH TUBE FAB. SPEC.	CANCELLED 1-16-90	-	-	-
- (1594)	RP LOWER SHEAR WEB RIVET LOCATION CHANGE	1,695	-	-	-
- (1649)	FWD LAUNCH TUBE COVER MAT'L CLASS CHANGES	5,767	-	-	-
(1676)	RKT. POD PAINTING AFT COVER	1,643	-	-	-
1705	MISCELLANEOUS SKID CHANGES	1,661	-	-	-
3500	UPDATE MLPA TRAINER CCA	1,643	-	-	-
3501	UPDATE MLPA TRAINER SPEC.	1,695	-	-	-
3502	UPDATE MLPA TRAINER DOC.	5,772	-	-	-
3503	UPDATE MLPA TRAINER DOC.	2,695	-	-	-
4005R1	ALTERNATIVE RING LIFT	2,700	-	-	-
4018	LAUNCH TUBE DIMEN. CHANGE	3,896	-	-	-
4025	RP SKID BTM PLATE DIMEN. MISCELLANEOUS ECP'S	1,643 28,291	-	-	-
TOTALS		\$580,853	\$5,435	(\$217,335)	(\$541,621)

*INDICATES CHANGE

Daniels, Clarence N CIV USA AMC

From: KESSLER-MW
Sent: Monday, September 28, 1998 4:31 PM
To: CDANIEL
Subject: Re:Request for CR and ECP IES History.
Attachments: Ecp-rpt-0923.doc

attached is an electronic version of the rfd, rfw, ecp report from lmv. this report has been sorted by approval date, column b in the report. suggest you go to the bottom of the file and work backwards [towards the top of the file] in time to beginning of ies contract.

contact me if you have any questions.

mike kessler - 842-2128

IES VECPs

MAR 84 thru JAN 97
Reply Separator
Subject: Request for CR and ECP IES History.
Author: CDANIEL
Date: 9/1/98 10:01 AM

Mike,

This just a written follow-up on my verbal request for CR and ECP approval data beginning in Jan 94 to date.

Thanks,
Clarence Daniels

0V067		USE OF HYDROSTATIC SIE	021584	A022284		
	REMARK ==>	RFD				
OMIC0186	SEE REMARK	TEST SHORTING PLUG REDESIGN	022284	A022784	091484	100284
	REMARK ==>	AG, DV, DW, DD				
OMIC0175	AB	ADD COUNTER-BORE TO CAGE STRUCTURE	010684	A022884	072484	080384
OMIC0033R1	IP	LEAK TEST SET	030584	A031684	051184	052284
OMIC0169	AX	CHANGE OIL QUANTITY NOTE CALL OUT	030184	A031684	042784	050484
OMIC0170R1	BD, BX, DN	BULKHEAD MACHINING	011284	A031684	050284	050984
OMIC0171R1	BD, DN	TORQUE CHANGE	030584	A031684	042784	050484
OMIC0174	AB	SLIDE BUTTON RELOCATION	021384	A031684	050284	051484
OMIC0177R1	AB	BEAM ASSY ROLLER RELOCATION	031584	A031684	051184	052284
OMIC0192R2	BD, BX, DN	RKT POD HOIST BEAM DIM CHANGE	022284	A031684	040384	050984
OMIC0200	AB	BOOM ASSY BOLT LENGTH REV	021684	A031684	050384	051484
OMIC1402	BD, BX, DN	IMIDAZOLE HARDENER COLOR CHANGE	022284	A031684	050284	050984
	REMARK ==>	"P" CODE				
0445-EES-118	QT	CORRECT ERRORS	030984	A031684	071884	080384
OMIC3000	LR	PLDMD SYSTEM TESTER	030784	A032184	091984	----- 101684
OMIC0188R1	BE	POST SPOT WELD SHOT BLAST MTR CASE	121983	A032384	100984	110784

- A-DATE ECP SUBMITTED TO MICOM
 B-ECP APPROVAL/REJECTION DATE
 C-ERR APPROVAL DATE
 D-MICOM ECP MICROFILM SUBMITTAL DATE
 E-EUROPE ECP MICROFILM SUBMITTAL DATE
 F-MICOM ERR MICROFILM SUBMITTAL DATE
 G-EUROPE ERR MICROFILM SUBMITTAL DATE

1

FORMAL ECP/RFD/RFW STATUS REPORT			DATE 09/23/98					SHEET	24
OECP/RFD/RFW NO.	END ITEM	TITLE	A	B	C	D	E	F	G
0V066		USE OF MOTOR CASE INSP MACH	021584	A032784					
	REMARK ==>	RFD							
OMIC0071C2		NEW INERT FUZE ELECTRONIC	121283	A032884	-----			-----	
0V073R3		REQ USE OF FAIRCHILD CAMERA	040184	A032984					
	REMARK ==>	RFW							
OMIC3001R1	DO	CHANGES FOR DMD VEHICLE KIT	040484	A040484	091784			100284	
OMIC0023R1C3	BB, BX, DL	ROCKET POD DWG CORRECTION	040484	A040584	-----			-----	
OMIC0062R1	EC	UPDATE COMM PROCESSOR SPEC	030984	A040584	080684			082184	
OMIC1102	LU	SELF TEST IMPROVEMENT	021684	A040584	101184			110784	
OMIC2225R2	DX	LEAD ASSY CHG	030984	A040584	062084			070684	
OMIC2236R1	EK	SOLDER SPEC REF DELETION	030984	A040584	061984			070184	
OMIC0205V	BD, BX, DN	RKT POD BULKHEAD	031084	A041184	062284			070684	
OMIC0168R1P		RKT MTR CHG'S TO CASE	041684	A041884	-----			-----	
OMIC0159	AB	BOLT GRIP LENGTH	030984	A042684	072484			080384	

OV097		REQUEST FOR TI DEVICE	092584	A092884		
	REMARK ==>	RFD/RFW,\$400				
OV068		SUBSTITUTION OF MIL-C-46168	092884	A100284		
	REMARK ==>	RFD;CANCELLED AFTER APPRO				
OMIC0059R3	SEE REMARK	UPDATE WARHEAD FUZE	090584	A100484	112884	122084
	REMARK ==>	BF,DL,DM,BB,BC,DK,EL				
OMIC0123R1	AB	CHANGE TO ROCKET LAUNCHER	091784	A100484	121084	010985
OMIC0168R1C3P		RKT MTR CHGNS TO CASE	100384	A100484	-----	-----
OMIC0255V	SEE REMARK	WARHEAD RIVET CHANGE	091884	A100484	112884	122084
	REMARK ==>	BF,DM,EL,CA,CD				
OMIC0257R1	AA,AB,AC	INSTALL OF VERSION 4 ELEC	091284	A100484	121084	010985
OMIC0280	AW	REPLACE OF OBSOLETE DWG	100384	A100484	112884	122084
OMIC1048	NY,MY	VERSION 4.0 SOFTWARE CONFIG	083184	A100484	121384	120386 011585
OMIC1051	SEE REMARK	IMPROVE SPRING DESIGN	090584	A100484	012885	021285
	REMARK ==>	BH,CL,CV,EC				
OMIC1052P	MD,IO	VERSION 4 SOFTWARE CONFIG.	091084	A100484	-----	-----
OMIC3002R2		IMPLEMENT VER 104	090584	A100484	032985	041985

- A-DATE ECP SUBMITTED TO MICOM
- B-ECP APPROVAL/REJECTION DATE
- C-ERR APPROVAL DATE
- D-MICOM ECP MICROFILM SUBMITTAL DATE
- E-EUROPE ECP MICROFILM SUBMITTAL DATE
- F-MICOM ERR MICROFILM SUBMITTAL DATE
- G-EUROPE ERR MICROFILM SUBMITTAL DATE

1

FORMAL ECP/RFD/RFW STATUS REPORT			DATE 09/23/98					SHEET	39
OECE/RFD/RFW NO.	END ITEM	TITLE	A	B	C	D	E	F	G
OMIC0284P	SEE REMARK	FIN SPRING OVERLAP DIMENSION CHANGE	100884	A100984	-----			-----	
	REMARK ==>	BC,BN,BL,DK,BE,II							
OMIC1116	CS,DI	REPLACE OBSOLETE PART	091084	A101584	040885			051385	
OV096		REDUCE WEIGHT OF PRACTICE RKT	101384	A101584					
	REMARK ==>	RFD,\$200							
OMIC0284C1P		FIN SPRING OVERLAP DIMENSION CHANGE	101284	A101984	-----			-----	
OV091R2		INCREASE WEIGHT OF PRACTICE RKT	102284	A102284					
	REMARK ==>	RFW,\$75,702							
OMIC0228R3	SEE REMARK	SEALING OF HOIST BOX	101284	A102384	051485			061785	
	REMARK ==>	AC,BV,EP,AB							
OMIC0232R2	AB,ET	MODULAR CONCEPT HOIST PACKAGE	101284	A102384	051485			061085	
OMIC1126R1	CS	REV CRITICAL ITEM PROD SPEC	101084	A102484	112884			122084	
OMIC0273V	SEE REMARK	REV OF FLATBED TRAILER TRANSPORT	092664	A102584	121984			011585	
	REMARK ==>	BB,DL,BM,BP							
OMIC0234R1	AB	RKT POD HOLDDOWN	092584	A102984	121984			011585	

OMIC0308	SEE REMARK UPDATE PCS FOR IEU	011885 A022585 050385	052485
	REMARK ==> BH,CN,CL,CV,EJ		
OMIC2259	DX DOC MFG PROCESSES OF PW HARNESS	011085 A022585 041885	051385
OMIC0228R3C3	SEALING OF HOIST BCK	021885 A030185 -----	-----
OMIC0228R3C4	SEALING OF HOIST BOX	022685 A030185 -----	-----
OMIC0232R2C3	MODULAR CONCEPT HOIST PACKAGE	021885 A030185 -----	-----
OMIC0232R2C4	MODULAR CONCEPT HOIST PACKAGE	022685 A030185 -----	-----
OV111	USE OF REPAIR METHODS-RKT MTR	122184 A030485	
	REMARK ==> RFD,RFW,\$400		
OV114	OSCILLATOR/AMP CHIP INCOMPAT	122184 A030585	
	REMARK ==> RFW,RFD,\$200		
OMIC0306	SEE REMARK CORRECT SPEC FOR M26 RKT POD	011785 A030885 042985	050585
	REMARK ==> BB,BM,BP,DL		
OMIC0228R3C5	SEALING OF HOIST BOX	031385 A031385 -----	-----
OMIC0284R2	SEE REMARK FIN SPRING OVERLAP DIMENSION CHANGE	030585 A031485 042985	051585
	REMARK ==> BC,BN,BL,DK,BE,II		
OMIC1033	SEE REMARK EU WATER INTEGRITY	021085 A031485 081985	082885
	REMARK ==> CL,CN,CV,BH,EC,EJ,EQ		

- A-DATE ECP SUBMITTED TO MICOM
 B-ECP APPROVAL/REJECTION DATE
 C-ERR APPROVAL DATE
 D-MICOM ECP MICROFILM SUBMITTAL DATE
 E-EUROPE ECP MICROFILM SUBMITTAL DATE
 F-MICOM ERR MICROFILM SUBMITTAL DATE
 G-EUROPE ERR MICROFILM SUBMITTAL DATE

1

		FORMAL ECP/RFD/RFW STATUS REPORT				DATE 09/23/98	SHEET 34		
OBEP/RFD/RFW NO.	END ITEM	TITLE	A	B	C	D	E	F	G
OV118R2		PART SUBSTITUTION	030885	A031485					
	REMARK ==>	RFD,\$739							
OV094		MECHANICAL PROPERTIES	082084	A031885					
	REMARK ==>	RFW,\$2992							
OMIC0291V	SEE REMARK	DELETION OF PRIMER ON FWD BULKHEAD	022785	A032085	052385			061785	
	REMARK ==>	CA,CE,BF,DM,EL							
OMIC0315	DS,DT,DU	BREAKOUT BOX CONN PIN ALIGNMENT	022585	A032085	---			-----	
OMIC4930	SEE REMARK	CHANGE TPI	030685	A032085	062485		-----	071685	
	REMARK ==>	IZ,JB,JC,JD,JF,JU,JW,JX,J							
OV121		LAT RANDOM FUZE LCT FAILURE	031985	A032585					
	REMARK ==>	RFW,\$3675							
OV122R1		SOLDER APPLICATION EXPOSED COPPER LEAD	032285	A032885					
	REMARK ==>	RFW,\$14,630							
OMIC0258	AB	RELAXATION OF TOLERANCE	031285	A040485	062485			071685	

OV130		BURN-IN OF SPARE ELEC HARDWARE	072085	A091285		
	REMARK ==>	RFD,\$200				
OMIC0307R1	EF	ADD QUALITY ASSURANCE PROVISION	082985	A091985	112285	121185
OMIC0360	SEE REMARK	HARNES INSTALLATION UPDATE	083085	A091985	110685	112685
	REMARK ==>	BB,BM,BP,DL				
OMIC0412	AC	ADDITION OF WASHER	082985	A091985	011486	020786
OMIC0328R1	SEE REMARK	DELAY HOUSING MATERIAL CHANGES	072685	A092085	101885	110585
	REMARK ==>	BC,DK,BN,BL; "P" CODE				
OMIC1135	DI,GI,IJI	MISC DOC CHANGES TO SRP	082985	A092085	031986	040286
OMIC0411	SEE REMARK	LAUNCH TUBE RESTRAINT PIN CHANGE	083085	A092485	121185	011586
	REMARK ==>	BD,BM,BP,DN,BX; "P" CODE				
OMIC1041	CL	NEW PWB INTO TDP	082885	A092485	121085	011586
OMIC2271	DX	DIM DISCREPANCY CORR	082185	A092485	101585	110585
	REMARK ==>	"P" CODE				
OMIC0415	AB,BA,AAA	TRAVEL LOCK ACTUATOR SHEAR PIN CHANGE	091685	A092585	120685	010786
OMIC0297R1	HN,BE	REV OF ACCEPTANCE GAGE-FIN LUG PKG	071185	A092685	121985	012986
OMIC0271C2		STRUCTURAL REINFORCEMENT	070385	A092785	-----	-----
OMIC0407P		UPDATE AVMLR TO ADD IEU	090385	A092785	-----	052887 -----
	REMARK ==>	NOT BEING FORMALIZED				
OMIC0113P1	BT,BW	REV OF SPARE PARTS IDENT	091085	A100485	120585	010786
OMIC0379V	JA	REPLACE W26 CABLE WITH 26W1	091385	A100485	121685	012386
OMIC0393R1P	NR,SX	INSP GAGE BEAM,HOISTING RKT POD	091885	A100485	-----	-----
OMIC0414	CN	REV MIS-34985	090785	A100485	110185	111985
OMIC0416	BE	SOAP-CASE ASSY CHANGE	091785	A100485	112285	121185

0 A-DATE ECP SUBMITTED TO MICOM
 B-ECP APPROVAL/REJECTION DATE
 C-ERR APPROVAL DATE
 D-MICOM ECP MICROFILM SUBMITTAL DATE
 E-EUROPE ECP MICROFILM SUBMITTAL DATE
 F-MICOM ERR MICROFILM SUBMITTAL DATE
 G-EUROPE ERR MICROFILM SUBMITTAL DATE

1

FORMAL ECP/RFD/RPW STATUS REPORT			DATE 09/23/98					SHEET	40
OECP/RFD/RPW NO.	END ITEM	TITLE	A	B	C	D	E	F	G
OMIC0401	EM,ER	DMD DISPLAY/KEYBOARD SPEC CHANGES	090485	A101185	120385			010786	
OV136		AMMO DATA CARD VERIFICATION	101185	A101485					
	REMARK ==>	RFW;NO CONSIDERATION							
OMIC0417	AB	ACTUATOR SUPPORT ASSY,WASHER ADD	092385	A101785	112285			121185	
OMIC0431	AB,EN	ABLATIVE PANEL DWG CHANGES	100385	A101785	121985			012386	
OMIC1065	SEE REMARK	REPLACE OF MIS PARTS	100885	A101785	020386			030486	
	REMARK ==>	BH,CL,CN,EC,EJ,EQ,CV; "P"							
OMIC1316R1	LP	ADD SECOND PRESSURE TRANSDUCER	093085	A101785	120385			010786	

OMIC0475	IJ, IO	SIE DOCUMENTATION CORRECTION	050686	A052986	070786	071786
OMIC0479P	IO	SNVT SIE ADAPTER & SOFTWARE	050786	A052986	-----	-----
OMIC0489R1	SEE REMARK	UPDATE REPAIR PART DOCUMENT	042386	A052986	092586	100686
OMIC0494	REMARK ==>	AB, CO, CR, BT, AAA, ET, BW, CQ,				
OMIC0504	BX	REDEFINE OF W/1 CABLE FORM	041486	A052986	072986	081386
	SEE REMARK	RKT POD PIN AND BFAM CHANGES	041486	A052986	100886	102186
	REMARK ==>	CF, BD, BX, DN, DZ				
OMIC0497P	EN	MAINTENANCE TRAINER COMPUTER & ASSC	040886	A053086	-----	-----
OMIC0404R1	SEE REMARK	EU TEST PROGRAM SET REV K UPDATE	051286	A060386	080786	081986
OMIC0477	SEE REMARK	INC. DWG REV/CORRECTIONS	051286	A061586	092586	101586
	REMARK ==>	CR, DE, EE, CP, ED				
OMIC0480	SEE REMARK	REMOVAL OF LIMITED RIGHT LEGEND	051486	A061586	072986	081386
	REMARK ==>	BD, BX, BZ, DN				
OMIC0482	EB	CORRECT HARDWARE PART NUMBER	051286	A061586	072986	081186
OMIC0499	AB, EN	CORRECT ADHESIVE SPEC	052086	A061586	072986	081386
OMIC0452V	AB, LN	CAGE EXTRUSION MATERIAL CHANGE	033186	A061986	072986	081386
OMIC0508	JO	COMM CONTROL TPS	060686	A061986	072986	----- 081386
OMIC0510	JZ	DMD MEMORY TPS	060686	A061986	072986	----- 081186
OMIC0532	AA, AB, EN	M270 LAUNCHER CRITICAL SPEC CHANGES	061686	A061986	072986	071786 081186
OMIC1077	SEE REMARK	REPLACEMENT OF MIS PARTS W/MIL-STD-883	052986	A061986	092686	071786 101586
	REMARK ==>	BH, EJ, EC, EQ, CL, CN, CV; "P"				
OMIC0492	AB, AC	CORRECT DWG & PL TO REFLECT 'ASBUILT'	051286	A062486	072986	081386
OMIC0408P	IL	REDESIGN OF DETENT FITTING GAGE	061286	A063086	-----	052887 -----
OMIC0505	JV	AZ DRIVE ELECTRONIC TPS CHANGES	062386	A063086	081986	----- 090486
OMIC0517	JI	FCU PWR SUPPLY TPS	062386	A063086	072986	081186
OMIC0521	JI	REROUTING OF WIRES FCU PWR SUPPLY	061686	A063086	072986	081386
OMIC0526	KB	DMD DISPLAY KEYBOARD TPS	062086	A063086	072986	----- 081386
OMIC0509	KC	CORRECT COMMS PROCESSOR DOC	070786	A071186	081986	----- 090486
OMIC0516	IY	FCU TPS IMPROVEMENTS	070786	A071186	080786	081986
OMIC0512	AC	REVISE W59 CABLE ASSY DWG	062486	A072586	082786	082786 091286
OMIC0524	SEE REMARK	FWD MACHINED TUBE COVER	070886	A072586	082786	082786 091286
	REMARK ==>	BB, DL, BM, BP, CF				

0 A-DATE ECP SUBMITTED TO MICOM
 B-ECP APPROVAL/REJECTION DATE
 C-ERR APPROVAL DATE
 D-MICOM ECP MICROFILM SUBMITTAL DATE
 E-EUROPE ECP MICROFILM SUBMITTAL DATE
 F-MICOM ERR MICROFILM SUBMITTAL DATE
 G-EUROPE ERR MICROFILM SUBMITTAL DATE

1

FORMAL ECP/RFD/RPW STATUS REPORT		DATE 09/23/98					SHEET 46		
OECP/RFD/RPW NO.	END ITEM	TITLE	A	B	C	D	E	F	G

FORMAL ECP/RFD/RFW STATUS REPORT			DATE 09/23/98			SHEET 52			
OECP/RFD/RFW NO.	END ITEM	TITLE	A	B	C	D	E	F	G
OMIC2010	SEE REMARK	ADD OF SLEEVING TO ELEC COMP	041487	A060887	071787		072287	073087	
	REMARK ==>	CL, BH, EJ, CV, EQ, AAE							
OMIC0646	--BX	PKG CONTENT DWG CHANGES	061187	A061287	070787		072287	072287	
OMIB9807		SMOKE CANISTER REQ CHANGES	020687	A062287	072887		072287	081387	
OMIC2015	SEE REMARK	CORRECTION OF FCS PWR MASTER DWG	062387	A062987	100992		072287	101692	
	REMARK ==>	BH, CM, CV, CL, CN, EJ, AAE							
OMIC0594V	SEE REMARK	FIN SPRING IDENT REMOVAL	050787	A070287	072787		073087	081387	
	REMARK ==>	RC, BN, BL, DK, EO							
OMIC0595V	BF, CA, CB	COLOR DELETION-WARHEAD FOAM SUPPORTS	051187	A070287	090487		073087	091887	
OMIC0638-1P	HN	ALTERNATE FIN HINGE LUG INSPECT METHCD	061187	A070287	-----		073087	-----	
OMIC0645P	BE	SOAP CHANGES FOR MOTOR CASE CENTER	061887	A070287	-----		073087	-----	
OMIC0638	BE	ALTERNATE FIN HINGE LUG DRILL	060987	A071087	080387		073087	081987	
OMIC0610	EN	CORRECTION OF MLRS MTE SPEC	060987	A072087	080387		-----	081987	
OMIC0611	EN	CORRECTION OF MLRS MTE SPEC	060987	A072087	080487		-----	081987	
OMIC0612	EN	CORRECTION OF MLRS MTE SPEC	060987	A072087	080387		-----	081987	
OV162	RFD	FLIGHT EVALUATION OF VECP CANDIDATES	071087	A072287					
	REMARK ==>	CONSIDERATION VECP							
OMIC0620	AB, EN	REDESIGN & REDEFINITION CLEANUP OF CAGE	051387	A072487	092487		081987	100787	
OMIC2013P	SEE REMARK	INSPECTION OF FCS PCB SOLDER JOINT	060287	A072487	-----		081987	-----	
	REMARK ==>	BH, EJ, EC, EQ, CL, CN, CV, AAE,							
OMIC0437R2P	--BX	UPDATE MIS-10012	072387	A073087	-----		090387	-----	
	REMARK ==>	COMMON USAGE							
OMIC0565	SEE REMARK	RKT POD MARKING CHANGES	061187	A073087	092487		090387	100787	
	REMARK ==>	BB, BX, BP, BM, DL, CF							
OMIC0605	SEE REMARK	RKT POD, LOWER WEB RIVET SPRING	062687	A073087	092887		090387	100787	
	REMARK ==>	CF, BD, BZ, DN							
OMIC0631	CH	ADDITION OF CAST DATUM DIM	061187	A073087	082487		090387	090387	
OMIC1155	CS, DI	SRP/PDS DETAIL PART DIM DELETE	061187	A073087	082487		090387	090387	
OMIC2253R1C1	OR	SAFE & ARM TEST STATION	071487	A073087	-----		090387	-----	
OMIC0622	AH	SPEC CHANGES TO RE-DEFINE PRE-PROD TEST	050587	A080387	082487		090387	090387	
OMIC1094R1	CN, EN	PROVIDE WATERTIGHT SEAL FOR FCP	010987	A081087	090987		090387	091887	
OMIC0648	AB, EN	DWG & PL CORRECTIONS	073087	A081787	092287		090387	100787	
OMIC1129	SEE REMARK	MISC DWG & SPEC CHANGES SRP/PDS	061987	A081787	100787		090387	102687	

0 A-DATE ECP SUBMITTED TO MICOM
 B-ECP APPROVAL/REJECTION DATE
 C-ERR APPROVAL DATE
 D-MICOM ECP MICROFILM SUBMITTAL DATE
 E-EUROPE ECP MICROFILM SUBMITTAL DATE
 F-MICOM ERR MICROFILM SUBMITTAL DATE

G-EUROPE ERR MICROFILM SUBMITTAL DATE

1

OBCP/RFD/RFW NO.	END ITEM	TITLE	FORMAL ECP/RFD/RFW STATUS REPORT			DATE 09/23/98					SHEET	53
			A	B	C	D	E	F	G			
0	REMARK ==>	CS,DI,GD,GE										
OMID0710	--BX	MIS-10012 UPDATE	060487	A081787	081787			102187	-----			
OMIC1095	SEE REMARK	MISC DOC CLEANUP REV FOR FCS	063087	A081887	092887			090387	100787			
	REMARK ==>	BH,CN,CL,CV,EC,EJ,EQ,AAE										
OMTC0652	SEE REMARK	HINGE PIN STAKING REQ CHANGES	071687	A082087	100787			091087	102187			
	REMARK ==>	BC,BN,BL,DK,EO; "P" CODE										
OMIC0609	EN	CORRECTION OF MLRS MTE SPEC	060987	A082587	100787			-----	102687			
OMIC0613	EN	CORRECTION OF MLRS MTE SPEC	060987	A082587	100787			-----	102687			
OMIC1092R1	MD	UPDATE HP1000 DWG FOR COMPATIBILITY	063087	A082587	101687			100287	110387			
OMIC0527	AX	PREVENT ELEVATION ACTUATOR LEAKAGE	081087	A082887	113087			100287	120887			
OMIC0408R2	FAV,IL	REDESIGN OF DETENT FITTING GAGE	070787	A083187	101687			100287	102687			
OMIC0619	SEE REMARK	REV RKT ASSY WEIGHT APP PRACTICE RKT	052387	A083187	100787			100287	102187			
	REMARK ==>	DK,BC,BN,BL										
OMIC2009	EC,EQ	SUPPRESSOR ASSY DWG & PL CORRECTION	041087	A090287	100787			100287	102187			
OMIC2293	DX,EZ	ALT PART NUMBER FOR DIODE	080787	AC90287	100787			100287	102187			
	REMARK ==>	"P" CODE										
OMIC0637	SEE REMARK	REV CABLE ASSY ON TRAINING RKT PODS	052987	A090887	100787			100287	102187			
	REMARK ==>	BX,BB,DL,BM,BP,CF										
OMIC2004	CL	REV FCU PRIMARY LOW VOLTAGE PWR SUPPLY	070887	AC90887	100787			100287	102187			
OMIC0593V	DX	M445 FUZE PKG CONTAINER DELETE	071787	AC91787	103087			100787	111287			
OMIC0602	SEE REMARK	CORRECT IDP ERRORS	071467	AC91787	120387			100787	121487			
	REMARK ==>	AA,AB,AC,EN										
OMIC0636	AC	EQUIP INSTL DWG & PL CORRECTIONS	071687	A091787	103087			100287	111287			
OMIC0367R1	AAE	REV OF MIS-35093,IEU BULK MEM CONTROLLER	041986	R091887	-----			-----	-----			
OMIC0483	BD,BX,DN	CREATE HOISTING BEAM SQAP	052786	R091887	-----			-----	-----			
	REMARK ==>	CANCELLED										
OMIC0545	AW	TRANSISTOR PART NUMBER CHANGE	091786	R091887	-----			-----	-----			
OMIC0574R1	BE	MOTOR CASE WELD BEAD	051287	R091887	-----			-----	-----			
	REMARK ==>	CANCELLED										
OMIC0582	EN	MLRS MAINTENANCE TRAINER MOD FOR IEB	010587	R091887	-----			-----	-----			
	REMARK ==>	CANCELLED										
OMIC0667	BF,CA,CE	GRENADe ORIENTATION REQ ON WARHEAD DWG	091187	A091887	103087			100787	111287			
	REMARK ==>	"P" CODE										
OMIC1032R1	CU,EC	CORRECT SYNCH TIME OF MODEM	102385	R091887	-----			-----	-----			
0	A-DATE ECP SUBMITTED TO MICOM											
	B-ECP APPROVAL/REJECTION DATE											
	C-ERR APPROVAL DATE											
	D-MICOM ECP MICROFILM SUBMITTAL DATE											

E-EUROPE ECP MICROFILM SUBMITTAL DATE
 F-MICOM ERR MICROFILM SUBMITTAL DATE
 G-EUROPE ERR MICROFILM SUBMITTAL DATE

1

FORMAL ECP/RFD/RFW STATUS REPORT			DATE 09/23/98			SHEET 54			
OECP/RFD/RFW NO.	END ITEM	TITLE	A	B	C	D	E	F	G
0	REMARK ==>	CANCELLED; WILL NOT BE FOR							
OMIC1327R1	OV, BE	REV OF DOCUMENTS FOR NOZZLE THREAD INSP	061686	R091887	-----				
	REMARK ==>	CANCELLED							
OV151		UNDERSIZE FORWARD TUBE LOWER	-----	R091887					
	REMARK ==>	RFD							
OV158R1	RFW	PRACTICE WARHEAD-REDUCED WEIGHT	061987	A092487					
	REMARK ==>	CONSIDERATION \$200							
OV160	RFD/RFW	FIN HINGE PN STAKE	071687	A092487					
	REMARK ==>	CONSIDERATION \$680							
OV157R1	RFW	POSSIBLE O-RING MISSING IN IGNITER	061987	A093087					
	REMARK ==>	NO CONSIDERATION							
OMIC1159	CS, DI	UPDATE SRP/PDS SERVO ELEC CARD REQ	082887	A100787	111987		102687	120487	
OMIC1159-1P	LU	SRP/PDS AUTO TEST SYSTEM TAPE PROC	090387	A100787	-----		102687	-----	
OMIC2292	DX	ADD ALT SOURCE OF SUPPLY CONN JACKX445	080887	A100787	120187		102687	121487	
	REMARK ==>	"P" CODE							
OMIC0269		UPDATE OF TGM	101584	R100987	-----				
	REMARK ==>	CONFIDENTIAL/CANCELLED							
OMIC1230R1	CO	UPDATE D.C. ELEC MTR, PUMP PKG SPEC	081887	A100987	112387		110387	120487	
OMIC0581	SEE REMARK	CORRECT NUCLEAR HARDNESS ON FCS	082887	A102387	120187		111987	121487	
	REMARK ==>	EC, EQ, BH, EJ, AAE, CV, CN, CL							
OMIC0597	AN	POWER DISTR BOX DWG CORRECTION	082887	A102387	120487		121787	121787	
OMIC0624R1	CZ	CREATION OF REPAIR PL TO PUMP, HYD RAM	082087	A102387	121487		111987	122287	
OMIC0626R1P	ABC, ABB	PIM INSTALLATION & ASSC CABLES	092987	A102387	-----		111987	-----	
OMIC0627R2P	ABA, ABC	IMPROVED SRP/PDS INSTALL OF DEEP ATTACK	092887	A102387	-----		111987	-----	
OMIC0644R2P	SEE REMARK	TEU INSTALLATION & PLU CABLES	092887	A102387	-----		111987	-----	
	REMARK ==>	ABA, ABB, AAN							
OMIC0654	AB, EN	ADDITION OF AT2 HOIST CARRIAGE ALIGNMENT	090187	A102387	120387		111987	121487	
OMIC1157	CS, DI	STEPPER MOTOR TRANSFER ASSY DWG CHANGE	081387	A102387	120487		111987	121787	
OMIC2016	SEE REMARK	REV CONNECTOR FOR FCS	082487	A102387	120387		111987	121487	
	REMARK ==>	BH, EC, CL, FJ, EQ, CV, AAE							
OMIC2019	SEE REMARK	FCS PWB DWG CORRECTION	090387	A102387	100992		111987	101692	
	REMARK ==>	CL, BH, EC, CV, EJ, EQ, AAE							
OMIC0599V	AC	ABNEY LEVEL REMOVAL	052187	A103087	120387		111987	121487	
OMIC0641	SEE REMARK	RKT POD BULKHEAD DWG & SQAP CHANGES	083187	A110487	012688		121487	020288	
	REMARK ==>	BD, BZ, DN, BX							

0 A-DATE ECP SUBMITTED TO MICOM

OMIC0658R1 SEE REMARK INSTALLATION OF RKT POD BLIND BOLTS 100887 A121887 021188 012888 022688
 REMARK ==> BD,BZ,DN,BX; "P" CODE

- A-DATE ECP SUBMITTED TO MICOM
- B-ECP APPROVAL/REJECTION DATE
- C-ERR APPROVAL DATE
- D-MICOM FCP MICROFILM SUBMITTAL DATE
- E-EUROPE ECP MICROFILM SUBMITTAL DATE
- F-MICOM ERR MICROFILM SUBMITTAL DATE
- G-EUROPE ERR MICROFILM SUBMITTAL DATE

1

FORMAL ECP/RFD/RFW STATUS REPORT			DATE 09/23/98				SHEET 56		
OECF/RFD/RFW NO.	END ITEM	TITLE	A	B	C	D	E	F	G
OMIC1133R2	SEE REMARK	CORRECTION FOR COMPENSATION ELEC TPS	062387	A011388	031788		020988	033188	
	REMARK ==>	CS,DI,JS,GI,LU							
OMIC0677	CV	CORRECT SCD P/N IN FCP TRAINER & EU	111287	A011488	021188		020988	022688	
OMIC0481R2	DI,CS	COMP PROGRAM SPEC SRP/PDS VERS 5.0	112087	A012088	022988		022288	031688	
OMIC0627-1P	GI	SRP SIE MOD/NEW	122187	A012088	-----		020988	-----	
OMIC0669	SEE REMARK	RKT SIMULATOR FOR TORQUE TEST FIXTURE	112087	A012088	041288		022288	042288	
	REMARK ==>	GS,GM,GP,GN,GO,GQ,GT							
OMIC1158	CS,DI	UPDATE SRP/PDS PWB DWGS	112587	A012088	031788		022288	033188	
OMIC0608R1	CG	ADD ESD CAUTION PLATES FOR SNVT	102987	A012288	030888		022288	032388	
OMIC0633R1	SEE REMARK	DIM CHANGE IN WARHEAD FOAM RECESS	102987	A012288	022988		022288	031688	
	REMARK ==>	EL,BF,CA,CB							
OMIC0670C1	AB,EN	REDESIGNED ABLATIVE PANELS	012588	A012988	-----		030388	-----	
OMIC1409V	SD,BZ,DN	SUBSTITUTE VEIL MAT IN LAUNCH TUBE FAILS	120387	A020188	031788		030388	033188	
OMIC1161	GG	REVISE SKP MANUAL TEST STATION CP	020388	A020388	051188		042788	060388	
OV161R1		RKT MOTOR WITH LOW PEEL VALVES	011188	A021588					
	REMARK ==>	RFW;CONSIDERATION \$200							
OV172		ALLOW SHPMNT LAUNCHERS LESS ABNEY LEVEL	020188	A021588					
	REMARK ==>	RFD;CONSIDERATION \$2656							
OMIC0547R1	SEE REMARK	REV 9.50 DIA HOLE IN WARHEAD BULKHEAD	091487	A022288	032588		033188	041288	
	REMARK ==>	EL,BF,CA,CB;RE-SHIPED TO							
OMIC0626-1P		SIE FOR SUPPORT OF PIM	122187	A022288	-----		-----	-----	
OMIC0471	JH	LAUNCH POD CONTAINER INTERFACE TPS	121187	A022388	041288		-----	042288	
OMIC0604	SEE REMARK	RKT FIN SPRING LOCATION	091587	A022388	032588		033188	041288	
	REMARK ==>	BC,BN,BL,DK,EO							
OMIC0680	AX	CORRECT BALL SCREW ACTUATOR	120387	A022388	032588		033188	041288	
OMIC1407	BD,BZ,BX	UPDATE MIS-34857 RKT POD LAUNCH TUBE	101687	A022688	060988		033188	063088	
OV170		FIN RESTRAINT FUNC TIME RMS EXCEEDS SPEC	021288	A030388					
	REMARK ==>	RFW CONSIDERATION \$1500							
OMIC0642R1	SEE REMARK	UPDATE MATERIAL SPEC FOR PLASTIC MOLDING	011188	A030888	033188		033188	041888	
	REMARK ==>	CF,BM,BP,BB,DL							

OMIC0685	BW,ET	ADD PROTECTIVE COATING TO RKT POD CABLE	022588	A042988	072788	060188	080988
OMIC0571R1P	HW	IMPROVED INSPECTION GAGE FOR WARHD CORE	032188	A051288	-----	060188	-----
OMIC0687	LO	SIE GLENAIR CABLE TESTER	030488	A051288	071288	060188	072788

0 A-DATE ECP SUBMITTED TO MICOM
 B-ECP APPROVAL/REJECTION DATE
 C-ERR APPROVAL DATE
 D-MICOM ECP MICROFILM SUBMITTAL DATE
 E-EUROPE ECP MICROFILM SUBMITTAL DATE
 F-MICOM ERR MICROFILM SUBMITTAL DATE
 G-EUROPE ERR MICROFILM SUBMITTAL DATE

1

FORMAL ECP/RFD/RFW STATUS REPORT			DATE 09/23/98					SHEET 58	
ORCP/RFD/RFW NO.	END ITEM	TITLE	A	B	C	D	E	F	G
OMIC0699	AB,EN	DIM CLARIFY LOCK SPRING ON RKT LAUNCHER	030188	A051288	062988		060188	072788	
OMIC1336R1	SEE REMARK	REVISE CRITICAL ITEM SPEC IGNITER ASSY	032288	A051288	071288		060188	072788	
	REMARK ==>	BB,DL,BM,BF,CF							
OMIC2018	MD	ADD OF PCU LVPS PART# TO TP	021988	A051288	061689		060188	070689	
OMIH4214	JA	FCP TPS CHANGE TO MONITER FCP BIT LAMP	112587	A051288	100488		-----	110988	
OMIH4216	JC	MISC SOFTWARE CHANGES ELECTRONIC BOX	030388	A051288	092188		-----	101188	
OV177		UMBILICAL HOUSING LOCATION	041388	A051688					
	REMARK -->	RFW; CONSIDERATION \$1500							
OV159R2		USE OF STANDARD REPAIR METHODS	030188	A052588					
	REMARK ==>	RFD,RFW; CONSIDERATION \$15							
OMIC0651R1	AA,AB,EN	POWER DIST BOX DESIGN IMPROVEMENT	051188	A060888	092188		070588	101188	
OMIC0616	SEE REMARK	UPDATE TOOL KIT & SHOP SET	032288	A061088	081088		070588	082588	
	REMARK ==>	DB,DC,DD,DP							
OMIC0638-1R1	FAZ,FBA	ALTERNATE FIN HINGE LUG INSPECT METHOD	032188	A061088	081588		070588	091688	
OMIC0691P	LM	REVISE SNTV TEST SET OI & DWG	033088	A061088	-----		070588	-----	
OMIC0701	SEE REMARK	RKT POD BLIND FASTENER HOLE SIZE	032288	A061088	072088		070588	080988	
	REMARK ==>	BD,BZ,DN,BK							
OMIE5051	SEE REMARK	UPDATE MIS-31847 ICD	032288	A061088	092388		-----	101188	
	REMARK ==>	TGW							
OMIC2302	DX	REV OF MIL-F-48705 FUZE SPEC	052488	A061488	082588		070588	091688	
OMIC0660R1	SEE REMARK	RKT ASSY CONFIG CHANGE SPIN BALANCE	021588	A062288	081588		072788	091688	
	REMARK ==>	BC,BN,BJ,DX							
OMIC0682V	SEE REMARK	REMOVAL OF PART# IDENT RKT POD & PARTS	040688	A062288	081088		072788	082588	
	REMARK ==>	BE,BD,BX,BZ,DN							
OMIC0686	JA,JR	REV OSCILLATOR CALLOUT ON CCA FCP TPS	040788	A062288	081088		-----	082588	
OMIC0693P	FAQ	HYDROSTATIC TESTER ASSY MOD/SIE	051388	A062288	-----		072788	-----	
OMIC0751	FAQ	HYDROSTATIC TESTER SIE MOD	051988	A062288	081588		072788	091688	
OMIC1098R1	CN,MD	ADD OF RESISTORS FOR HP1000	033088	A062288	081588		072788	091688	
OMIC1160R1	CS,DI	MANDATE CERTIFICATE COMPLIANCE SRP/FDS	041288	A062288	082588		072788	091688	

OMIC2096	SEE REMARK	CREATE NEW EU & BSMU	080290	A083090	081691	092590	091391
	REMARK ==>	ABB,ACT,ACW,ACY,ACQ,AAE,A					
OMIH4227	JT	SOFTWARE CHANGES TO SOURCE AND TPT	-----	A083090	103090	-----	112190
OMIC0963-1P	PAR	EB-SIE MODIFICATION	072090	A083190	-----	101190	-----
OMIC0969	CR	REV CONTACTOR ASSY SPEC & PL	072390	A083190	101290	101190	110190
OMIJO789	--BX,--CR	MIS-38685 SPEC FOR FDDM-REVISION	080290	A083190	072991	-----	081691
OMIJO790	--CR	M/LPA TRAINER MIS-38652 INC FCA ITEMS	080290	A083190	121990	-----	011691
OV235R2	RFW	TURRET SUBASSY BEARING RING	071890	R090590			
	REMARK ==>	CONSIDERATION \$9000					
OV239	RFD	USE OF REPAIR PWB'S	062090	A090690			
	REMARK ==>	CONSIDERATION \$3150					
OV241	RFW	USE OF NEW HAMPSHIRE BALL BEARING	080890	A091090			
OMIC0917	ABC	BACKSHELL (GLENAIR)	021990	A091290	121890	101190	011691
OMIC1188	DI	IMPROVE HEATSINK BONDING SRP/PDS	021990	A091290	112890	101190	121490
OMIC0874	SEE REMARK	RKT POD:THREADED SHOULDER PIN	011790	A091890	050191	103090	051391
	REMARK ==>	BD,BZ,DN,BX					
OMIC0961	--BX	REV OF PACKAGE CONTENT DWG	061490	AC91890	120590	103090	122090
OMIC0808R1V	SEE REMARK	PIN ASSY-RIVET CHANGE	082890	AC91990	121290	103090	010891
	REMARK ==>	BC,BN,BL,DK,EO					
OMIC0966	AH	UPDATE OF AZ DRIVE UNIT	060790	AC91990	091990	103090	062791
OMIC0978	--BX	RETROFIT KIT CONTENTS DWG-ADD DIN	073090	AC91990	120590	103090	122090
OMIC0932	SEE REMARK	UPDATE DOC REF TO RKT ASSY SQAP	072690	AC92090	103090	103090	112190
	REMARK ==>	BC,BN,BL,DK					
OMIC0972	AB,ABC	CLARIFY INSTALLATION OF W19 & W20	080690	AC92090	081691	103090	090491
OV240	RFD/RFW	USE OF STANDARD REPAIR INSTRUCTION	073190	A092090			
	REMARK ==>	CONSIDERATION \$3150					
OMIC0967	SEE REMARK	SINGLE SPEED CONTROLLER ASSY CHANGES	080290	A092190	121290	103090	010891
	REMARK ==>	BV,EP,AAE,ABF					

0 A-DATE ECP SUBMITTED TO MICOM
 B-ECP APPROVAL/REJECTION DATE
 C-ERR APPROVAL DATE
 D-MICOM ECP MICROFILM SUBMITTAL DATE
 E-EUROPE ECP MICROFILM SUBMITTAL DATE
 F-MICOM ERR MICROFILM SUBMITTAL DATE
 G-EUROPE ERR MICROFILM SUBMITTAL DATE

1

FORMAL ECP/RFD/RFW STATUS REPORT			DATE 09/23/98				SHEET 78		
ORCP/RFD/RFW NO.	END ITEM	TITLE	A	B	C	D	E	F	G
OMIC0989	SEE REMARK	BALL BEARING SCD'S	082490	A092190	112890		103090	121490	
	REMARK ==>	BX,ABX,ARL,BO							
OMIJO787	--BX,--CR	SRP/PDS MIS-30107 CORRECT PER FCA ACTION	080790	A092190	031191	-----	040191		
OMIC4000	SEE REMARK	ALT TOOLS FOR LAUNCH TUBE MANUFACTURE	011790	A092590	112890		103090	121490	

E-EUROPE ECP MICROFILM SUBMITTAL DATE
 F-MICOM ERR MICROFILM SUBMITTAL DATE
 C-EUROPE ERR MICROFILM SUBMITTAL DATE

1

FORMAL ECP/RFD/RFW STATUS REPORT			DATE 05/23/98					SHEET 84	
OECF/RFD/RFW NO.	END ITEM	TITLE	A	B	C	D	E	F	G
0	REMARK ==>	ACV, AB, ABC, ACG, EN, ACU, AC,							
OMIC1279P	--BX, --CR	UPDATE INTERFACE REQ SPEC	051691	A061991	-----		071991	-----	
	REMARK ==>	NCT TO BE FORMALIZED							
OMIC1297	ABG, --BX	V6.01 ENHANCEMENT FOR THE FCPT	043091	A061991	032492		071991	040892	
OMIC1298	ACG, --BX	V6.01 ENHANCEMENT FOR THE LAUNCHER TRNR	050391	A061991	041092		071991	042392	
OMIC1351	SEE REMARK	CORRECT HYD STSTEM DWG ERRORS	041191	A061991	100791		071991	102291	
	REMARK ==>	CO, ABE, ACU, AB, ABC, EN, ACG,							
OMIC0835R2	LE, FDM	PIRE MISSION SIMULATOR DESIGN UPDATE	051091	AC62491	121691		072991	011492	
OMIC0952	SEE REMARK	M269: ELEC CABLE ASSY & SNVT TESTER CHANGE	051791	A062591	100891		071991	102291	
	REMARK ==>	AB, ACF, EN, CG, AW, ACV, ACG							
OMIC0952-1P	LM	SIE: SNVT MANUAL TEST SET	051791	A062591	-----		071991	-----	
OMIC0986	SEE REMARK	TURRET ASSY CHANGES	051391	A062591	110891		071991	120691	
	REMARK ==>	AB, ABC, ACG, EN, ACU, ACV							
OMIC0972C1	AB, ABC	CLARIFY INSTALLATION OF W19 & W20	071291	A071291	-----		072991	-----	
OMIC0934R1	BD, DN, ID	REV SQAP & DOC FOR INSPECT OF RKT POD	060491	A071391	080591		072991	081691	
OMIC1259-1R1	SEE REMARK	SIE PWR DIST BOX	061891	A071391	091991		072991	100891	
	REMARK ==>	IO, KH, KF, LL, AAY, KG, ADD							
OMIC1335	LQ	THRUST STAND LOAD CELL	061091	A071391	080591		072991	081691	
OMIC4014	SEE REMARK	ADD: CORRECT SUPPLIERS AND ADD ALUM WIRE	062891	R072591	-----			-----	
	REMARK ==>	DX, EK, QK, QS, ABD							
OMIC1253	BE	RKT MOTOR DOME PLUG	062791	A072791	092391		081691	100191	
OMIC1357	SEE REMARK	LAUNCHER DOC CLARIFICATION	061891	A072791	111491		081691	120691	
	REMARK ==>	AB, ABC, ACU, ACG, AAR, EN, ACV							
OMIC1361R1	SEE REMARK	ADD PROTECTION TO PIM I/O CCA BDS	062791	A072791	103091		081691	111591	
	REMARK ==>	ADK, ABA, ACF, ABB, ACV, ACU, A							
OMIC2317	DX	REV RESISTOR FROM 'S' TO 'P' RELIABILITY	072591	R073091	-----			-----	
OMIC1196	FCQ, FCR	SIE: SRP TEST STATION	062891	A080191	092091		081691	100891	
OMIC1282R1	SEE REMARK	RKT POD: APT LAUNCH TUBE COVER	070391	A080991	110191		082691	112091	
	REMARK ==>	BM, BE, BB, DL, BX							
OMIC1387	SEE REMARK	CORRECT TOLERANCE PROBLEMS	071791	A080991	103091		082691	111591	
	REMARK ==>	ADK, ACF, ACV, ACG							
OMIC2104R1	MJ, IO, LU	SIE: HP1000 SYSTEM ASSY LAMP TEST	070391	A080991	103191		082691	112091	
OMIC2105R1	MD	HP1000 TP PROC AND PLASMA PANEL ADAPTER	070391	A080991	103191		082691	112091	
OMIC0778V	SEE REMARK	TURRET LEG FORGING VECP	050291	A061691	111591		092691	120691	

0 A-DATE ECP SUBMITTED TO MICOM
 B-ECP APPROVAL/REJECTION DATE

C-ERR APPROVAL DATE
D-MICOM ECP MICROFILM SUBMITTAL DATE
E-EUROPE ECP MICROFILM SUBMITTAL DATE
F-MICOM ERR MICROFILM SUBMITTAL DATE
G-EUROPE ERR MICROFILM SUBMITTAL DATE

1

FORMAL ECP/RFD/RFW STATUS REPORT			DATE 09/23/98					SHEET	25
OECP/RFD/RFW NO.	END ITEM	TITLE	A	B	C	D	E	F	G
0	REMARK ==>	AB,ABC,ACU,ACG,EN							
OMIC0944	ABC	ADD QUALITY ASSURANCE PROVISIONS NOTE	070290	R082191	-----		-----	-----	
OMIC1380	SEE REMARK	REVISE FCS PROD FAB SPEC	072491	A082291	100891		092691	102291	
	REMARK ==>	CN,CL,AAE,ACW							
OMICJ3647	JP	MISC SOFTWARE CHANGES	-----	A082291	100891		-----	102291	
OV253	RFD/RFW	RESISTOR FAILURE RATE LEVEL CHANGE	073091	A082391					
	REMARK ==>	\$3150 CONSIDERATION							
OMIC1392	SEE REMARK	UPDATE SCD TO AGREE W/VENDOR	080791	A082791	100791		092691	102291	
	REMARK ==>	AB,EN,ACF,ACG,ACV							
OMIC1394	--BX,--CR	UPDATE MIS-38656, INTERFACE SPEC	080191	A082791	030992		-----	031892	
OE41872	AAE,ABG	ADDITION OF HARDWARE	-----	A082991	103091		111591	111591	
OMIC1277	ACV,ACU	M269:CORRECT BLAST PANEL DOC	080791	A090691	030492		092691	031892	
OMIC1292R1	SEE REMARK	REV OF MATERIAL SPEC COATING ABLATIVE	081391	A090691	100891		092691	102291	
	REMARK ==>	AB,ABC,ACG,EN,AAE,AAE							
OMIC1369	SEE REMARK	REVISION TO RKT POD INSTALLATION AY	081991	A092091	103191		100891	112091	
	REMARK ==>	BM,BP,BB,DL,BX,CF,ABD							
OMIC2102	SEE REMARK	FCS: CORRECT ERRORS	081591	A092091	111591		100891	120691	
	REMARK ==>	CN,ABG,EJ,CV,AAE,ACW,CL,A							
OMIC1294	SEE REMARK	M269: CORRCT SHACKLE-CHAIN DIM	081591	A092591	103091		101791	111591	
	REMARK ==>	AB,ACF,ACV,EN,ACG							
OMIC1439	ACV	M269: CORRECT BLAST PANEL DOC	091691	A092591	030492		111591	031892	
OMIC1275V	ACV	FORWARD END BEAM-CREATE NEW AH	081591	A092791	030492		101791	031892	
OMIC1278R1	SEE REMARK	M269: RCD HOOK AND PULLEY-ALT MATERIAL	081391	A092791	103091		101791	111591	
	REMARK ==>	AB,EN,ACG,ACV,ACF							
OMIC1350	SEE REMARK	M269: BASE/TURRET EQUIP INSTALLATION	082191	A101091	012792		111591	021792	
	REMARK ==>	AB,ABC,ACU,ACG,EN							
OMIC1383	BE,GS	ROCKET: MIS-31868,WELD TROUGH SEALANT	082991	A101091	120691		111591	121791	
OMIC1388	--CR,--BX	UPDATE MIS-35094	082191	A102191	041092		011492	042392	
OV254	RFW	REPLACE RESISTOR IN CCA	081591	A102191					
	REMARK ==>	\$3150 CONSIDERATION							
OMIC1384	ABB,ACT	REVISE BOLT GRIP LENGTH	090691	A102491	012792		120691	021792	
OMICJ3646	JV	MISC SOFTWARE CHANGES	-----	A102491	121391		-----	011492	
OMIC1393	SEE REMARK	INC STRS IN VERS. 6.04	100891	A102591	050892		012392	051292	
	REMARK ==>	ABA,ACS,ADB,ADC,AAE,ACW,-							

OMIC1378-1P SEE REMARK SIE: PIM TEST SET ASSY
REMARK ==> FDH, FCI, FDN, FDJ

111991 A010792 ----- 013192 -----

- A-DATE ECP SUBMITTED TO MICOM
- E-ECP APPROVAL/REJECTION DATE
- C-ERR APPROVAL DATE
- D-MICOM ECP MICROFILM SUBMITTAL DATE
- E-EUROPE ECP MICROFILM SUBMITTAL DATE
- F-MICOM ERR MICROFILM SUBMITTAL DATE
- G-EUROPE ERR MICROFILM SUBMITTAL DATE

1

OECP/RFD/RFW NO.	END ITEM	TITLE	FORMAL ECP/RFD/RFW STATUS REPORT			DATE 09/23/98				SHEET	87
			A	B	C	D	E	F	G		
OMIC1440	BX	ALT MACHINING FOR RKT POD, TRAINING	111591	A010992	030492				013192	031892	
OMIC1368	LO	SIE: REV OF GLENAIR CABLE TEST SYSTEM	111891	A011792	030392				030592	031892	
OMIC1441	SEE REMARK	EPC REQUESTED CHANGES MIS-31838&31863	112091	A011792	061192				030592	061792	
	REMARK ==>	SEE ECP FOR END ITEMS									
OMIC1198	AAP	SRP, ROLL RESOLVER	120591	A012092	022892				030592	030592	
OV261	RPD/RFW	TURRRET ASSY, RKT LAUNCHER	122091	A012492							
	REMARK ==>	\$3150 CONSIDERATION									
OMIC0795R1	SEE REMARK	FIN RESTRAINT MODIFICATIONS	103191	A012792	051892				031892	052792	
	REMARK ==>	BC, DK, BN, BL, EO									
OMIC1399	SEE REMARK	REV OF HYD PUMP PRG SUBASSY DWG	121191	A013192	041092				031892	042392	
	REMARK ==>	ABJ, ABI, ACU, ABE, CO, ADH									
01366-02	AZW	CMSC HANDLE CHANGE		A020792	030992					031892	
OMIC2108	MY	SIE: REVISE GENRAD SYSTEM DOC	112291	A020892	072392				030592	080492	
OMIC0952-1R1	LM	SIE: SNVT MANUAL TEST SET	120591	A021192	031292				030592	040392	
OMIC1449	LG	SIE: DELETE BUSHING FROM AIM VERI GAGE	011991	A021192	040792				030592	041692	
OMIC1436	SEE REMARK	REV OF ELEC CONN	120991	A021492	030992				031892	031892	
	REMARK ==>	ACF, ACV, ACG									
OMIC2106	SEE REMARK	CORRECT FCS DOCUMENTATION	121691	A022592	121092				041692	011593	
	REMARK ==>	CN, CL, CH, LV, EJ, CV, AAE, ACW									
OMIC1378	ADK, FDH	M269: PIM ASSY-CORRECT DOC	111991	A022892	100292				041692	101392	
OMIC1423P		PROPOSED REDUCED RANGE TRAINING RET	102891	R030392	-----				-----	-----	
OMIC1293-1	SEE REMARK	REMOVAL OF INSPECTION GAGE ASSY	010792	A030692	042992				041692	051292	
	REMARK ==>	ACV, AB, EN, ACF, ACG, HJ									
OMIC1427	--BX	RETROFIT KIT DWGS	010692	A031092	071692				041692	080492	
OMIC0583R4	SEE REMARK	ADDITION OF ESD CAUTION NOTES FCS	012792	A031792	121092				041692	011293	
	REMARK ==>	EJ, FQ, CV, AW, ACW, CN, CL, ACE									
OMIC1365	SEE REMARK	CHANGES TO BASE/TURRET INSTALLATION	012092	A032092	051992				041692	052992	
	REMARK ==>	AB, ABC, ACU, ACG, ACF, ACV, EN									
OMIC1425	SX	SIE-HOIST BEAM ACCPT GAGE DIM CORRECT	020392	A032092	042992				041692	051292	
OMIC2318	DX	ADD ALT RESISTORS FOR M445 FUZE	020592	A032092	041092				041692	042392	

OMIC1452 SEE REMARK REV OF TURRET ASSY 022792 A032392 042992 041692 051292
 REMARK ==> EN,AB,ABC,ACG,ACU
 OMIC1450V REDUCED RANGE TRAINING 020792 A032792 ----- -----
 REMARK ==> NOT TO BE INCORPORATED

- A-DATE ECP SUBMITTED TO MICOM
- B-ECP APPROVAL/REJECTION DATE
- C-ERR APPROVAL DATE
- D-MICOM ECP MICROFILM SUBMITTAL DATE
- E-EUROPE ECP MICROFILM SUBMITTAL DATE
- F-MICOM ERR MICROFILM SUBMITTAL DATE
- G-EUROPE ERR MICROFILM SUBMITTAL DATE

1

FORMAL ECP/RFD/RFW STATUS REPORT			DATE 09/23/98					SHEET	88
OECF/RFD/RFW NO.	END ITEM	TITLE	A	B	C	D	E	F	G
OV262	RFD	HYBRID FUZE LOT W/IC CHANGES	030292	A032792					
	REMARK ==>	\$3650 CONSIDERATION							
OV266	RFD/RFW	TEMPEST FILTER, PIM	022692	A032792					
	REMARK ==>	\$3150 CONSIDERATION							
OMIC1426	SEE REMARK	RACK GEAR TO FIXED BEAM INTERFACE	012992	A040292	051292		041692	052092	
	REMARK ==>	ACV,AB,ACF,ACG,EN							
OMIC1424	QA	125% PROOF LOAD FIXTURE	021492	A040992	070992		052092	072292	
OMIC1445	--BX	UPDATE PKG CONTENT DWG	030292	A040992	060992		052092	061792	
OMIC1375	SEE REMARK	CHG BOLTS&WASHERS IN ASSY	030392	A041092	121592		052092	011593	
	REMARK ==>	ACV,AB,ACF,ACG,ACU,EN,ABC							
OMIC1376R1	SEE REMARK	M269: BLEV ACTUATOR DWG CHGS	031192	A041192	072092		052092	080492	
	REMARK ==>	AB,EN,ABC,ACG,ACU,AX							
OMIC2101R1P	SEE REMARK	FCS: REV OF ARTWORK	031192	A042092	-----		060492	-----	
	REMARK ==>	EJ,EQ,CV,AAE,IO,MD,ACE,AC							
OMIC2116R1P	SEE REMARK	FCS: REV OF ARTWORK	031192	A042092	-----		060492	-----	
	REMARK ==>	EJ,EQ,CV,AAE,IO,MD,ACE,AC							
OMIC1442	ACG	MTE-SIM PIM REDESIGN	031192	A042492	062592		052092	070692	
OMIC4040	ADA,ADB	REV OF EURO M270 LAUNCHER CONFIG	040192	A042492	091492		052092	092392	
OV268	RFD/RFW	TRAINER & SIM ASSY INSTALL	032592	A042492					
	REMARK ==>	\$3650 CONSIDERATION							
OMIC1285V	SEE REMARK	REPL OF PIP PEN&SLV W/WIRE FORM PIN CLIP	031692	A051492	033193		060492	041593	
	REMARK ==>	BD,DN,ABD,BX							
OMIC1414	SEE REMARK	PROCESS SPBC & LAUNCH TUBE UPDATE	041092	A052292	082092		061792	090292	
	REMARK ==>	BZ,HD,BX,DN							
OMIC1283R1	ABD	MLPA TRAINER: M68 LAUNCH POD TRNR	041092	A052792	072892		061792	080492	
OMIC1434R1	ABD	TUBE: BUTT WELD SIMULATOR BOX COVER	040391	A052992	033193		061792	041593	
OMIC2319	SEE REMARK	CORRECT M445 SETTING SEQUENCE	042392	A052992	080792		061792	081492	
	REMARK ==>	DX,EK,IO,MD,IY,FCI							

OMIC1586	--BX	REV OF M77 SOFTWARE VER 6.05.1	060893	A061093	082793	071293	090793
OMIJ0807	--CR	REV OF ARMY TACMS VERS 6.05.1	060893	A061193	091793	-----	092793
OV297	RFD	USE OF RJR24FW RESISTORS	052394	A061393			
OMIC1493	AB,ACF,ACV	CAGE ASSY,EQUIP INSTALLATION	042193	A061893	073093	071293	080693
OMIC1581	ABD	MLPA TRNR CCA	043093	A061893	073093	071293	080693
OMIC1397V	SEE REMARK	CARRIER PLATE CASTING	052893	A071593	160593	080693	101393
	REMARK ==>	AB,ACF,ACV,ACG,EN					
OMIC1568P	FDN,FDH	SIE-MOD PIM CIRCUIT CARD TEST SYSTEM	060793	A072693	-----	091493	-----
OMIC1570P	MD	SIE UPDATE FOR LP/C INTERFACE CHANGE	062493	R072693	-----	-----	-----
OMIC1583	AAB	ELECTRONICS BOX UPDATE	060793	A072693	090793	081793	091493
OMIC1589	SEE REMARK	HARNES INSTL RESISTANCE	061693	A072693	090993	081793	091793
	REMARK ==>	BM,BP,BB,DL,BX					
OMIC1596	--BX	UPDATE PKG CONTENT DNG	062393	A072693	090993	081793	091793
OMIC2125	SEE REMARK	REPLACEMENT OF OBS SIGNETICS PROGDEVICE	062493	A072693	021894	081793	031594
	REMARK ==>	CN,EN,ACG,ABC,ACW,CL,EJ,E					
OMIC2322P	FCI	FUZE SETTER SIE CHANGES FOR XM451 FUZE	062493	A072693	-----	091493	-----
OMIC2323	--BX	MLRS-SADARM MTS-36848 CORRECTION	062593	A073093	090793	----	091493

0 A-DATE ECP SUBMITTED TO MICOM
 B-ECP APPROVAL/REJECTION DATE
 C-ERR APPROVAL DATE
 D-MICOM ECP MICROFILM SUBMITTAL DATE
 E-EUROPE ECP MICROFILM SUBMITTAL DATE
 F-MICOM ERR MICROFILM SUBMITTAL DATE
 G-EUROPE ERR MICROFILM SUBMITTAL DATE

1

FORMAL ECP/RFD/RFW STATUS REPORT			DATE 09/23/98				SHEET 94		
OECF/RFD/RFW NO.	END ITEM	TITLE	A	B	C	D	E	F	G
OMIC1584	SEE REMARK	HOLD DOWN HOOK CLEAN-UP	071493	A080993	021894		091493	031594	
	REMARK ==>	AB,ABC,ACG,ACU,ACF,ACV,EN							
OMIC4048	SEE REMARK	ALLOW USE OF EURO ALT SIE IN COMMON TDP	063093	A080993	092893		091493	100793	
	REMARK ==>	DX,BZ,BD,BX,DN,BE,GS,FDV							
OMIC1281R2	--BX	MIS-26432 MLRS SYSTEM SPEC UPDATE	070193	A081093	100693		091493	101893	
OMIC2117R1	ACW	EU-NEW HARNES BD ASSY	070693	A081093	041894		091493	042694	
OMIC1483	GK	SKID PAD ASSY SIE REDESIGN	071493	A083193	012694		093093	020394	
UMIK6799	IY	MISC SOFTWARE CHANGES	-----	A090193	102894		-----	110394	
OMIC6800	JH	MISC SOFTWARE CHANGES	-----	A091393	121593		-----	010694	
OMIC1511P	AAP,GC	SRP-IMPROVE ACCURACY	081193	A091493	-----		093093	-----	
OMIC1560	BE,GS,FDV	REVISE MIS-31709	021793	A091493	101993		093093	102793	
OMIC1562P	KJ	SIE-MOD OF HOOK HANDLE INSPECT GAGE	063093	A091493	-----		093093	-----	
OMIC1585	ADK	PIM O/I CARD	071493	A091493	110893		093093	111693	
OMIC1512P	DI,AAP,FCT	SRP SIE TEST STATION MOD	081893	A092293	-----		102193	-----	
OMIC1594	SEE REMARK	FCP,SWITCH GUARD	081793	A092793	121593		102193	010694	

REMARK ==> CN,EN,ACG,ABG
 OV287 RFW AZ DRIVE ASSY MISC DISCREPANCIES 090293 R093093
 REMARK ==> SEE ECP FOR CONSIDERATION
 OMIC1582P FAP STR-UPDATE FOR NVMM CHANGES 091593 A101393 ----- 111093 -----
 REMARK ==> NOT TO BE FORMALIZED
 OMIC1590 AB,ABC,ACU LCHR,BASE/TURRET,ELV ACTUATOR FIT SCR 081893 A101393 041894 102793 042694
 OMIC1573 SEE REMARK STRIKERS-15 & 27 DEG ELEV SWITCHES 081893 A101493 121593 111093 010694
 REMARK ==> AB,ABC,ACU,ACG,EN,ACF,ACV
 OMIC2133 SEE REMARK FCS-UPDATE SCD TO LATEST SPEC 090893 A102593 020394 111793 021794
 REMARK ==> CL,CV,EJ,ACW
 OMIC1587 SEE REMARK FIN ASSY-PHOSPHORIC ACID TRTMT 082093 A102793 121593 111793 010694
 REMARK ==> BC,BN,BL,DK,EO
 OV288 RFD/RFW MTR PUMP SUPPORT TO BASE WELD ANOMALY 092293 A102893
 REMARK ==> \$3650 CONSIDERATION
 OV289 RFW RRPR HARNESS ASSY TO RKT FOD ANOMALY 101393 A102893
 REMARK ==> \$3650 CONSIDERATION
 OMIC1621 SEE REMARK RKT POD-SHOCK SKID PIN ASSY CORRECTIONS 100593 A102993 051794 111793 052594
 REMARK ==> BD,DM,BX,ABD
 OMIC2129 CN,ACW FCS DOC UPDATE & ADD DIP SWITCH 092993 A110193 062394 120693 063094
 - A-DATE ECP SUBMITTED TO MICOM
 B-ECP APPROVAL/REJECTION DATE
 C-ERR APPROVAL DATE
 D-MICOM ECP MICROFILM SUBMITTAL DATE
 E-EUROPE ECP MICROFILM SUBMITTAL DATE
 F-MICOM ERR MICROFILM SUBMITTAL DATE
 G-EUROPE ERR MICROFILM SUBMITTAL DATE

1

FORMAL ECP/RFD/RFW STATUS REPORT			DATE 09/23/98					SHEET	95
OECF/RFD/RFW NO.	END ITEM	TITLE	A	B	C	D	E	F	G
OMIC1597	SEE REMARK	CAGE ASSY-DOC ERRORS	100593	A110593	121593		120693	010694	
	REMARK ==>	ACV,EN,AB,ACF,ACG							
OMIC6801	JD	SNVT TFS	-----	A110593	011394		-----	012694	
OMIC1199R1	SEE REMARK	UPDATE OF EMI FILTER HI&LOW VOLT TOL	100193	A110993	030294		120693	031894	
	REMARK ==>	DI,AAP,GI,FCL,LU,FCM							
OMIC22295	ADU	CORRECT SPELLING & ADD CAGE CODE	-----	A110993	012694		010694	020394	
OMIC1800R1	FDQ,FDR	TELEDYNE SIE UPDATES	093093	A112493	020194		-----	020994	
OMIC1580	DB,DC	UPDATE ORGANIZATIONAL &DS/GS TOOL KITS	101893	A120293	090694		010694	091594	
OMIC1450A1		REDUCED RANGE TRAINING	122293	A120393	-----		022296	-----	
OMIC1633	--BX	UPDATE AT2 C5 SPEC & SUPPLEMENT	113093	A120993	121593		122093	122093	
OMIC1546	SEE REMARK	LCHR-UPDATE OF OBSOLETE FERRULES ON CBL	110393	A121093	063094		012694	071394	
	REMARK ==>	AB,ACF,ACV,EN,ACG							
OMIC1616P	FAN	SIE-MOTOR CASE INSP MODULE REDESIGN ER	113093	A121693	-----		012694	-----	

OV291	RFD/RFW	USE OF NON-QPL ADHESIVE	120893	A121693		
	REMARK ==>	\$3650 CONSIDERATION				
OMIK6807	IY	MISC SOFTWARE CORRECTIONS	-----	A121793 102894	-----	110394
OMIC1615P	FAX	SIE-HYDROSTATIC TESTER REDESIGN FOR ER	113093	A122093	-----	012694
OMIC1350R1V	SEE REMARK	DELETION OF HYD OIL SPILL CONTAINER	101393	A122193 092994		012694 106594
	REMARK ==>	AB,ABC,ACU,ACG				
OMIC16135	SEE REMARK	FCS POWER-UP ANOMALLY FCP	121093	A122193 032996		012694 041796
	REMARK ==>	CN,AEF,AA,AS,AC,ACF,ACG,A				
OV281	RFD	USE OF REJECTED TURRET ASSY MT MOCKUPS	121192	A011294		
	REMARK ==>	\$3650 CONSIDERATION				
OMIC1613	SEE REMARK	RKT POD ADDITION OF TESTING FOR IGNITER	101993	A011494 031794		021794 040794
	REMARK ==>	BM,BP,BB,DL,LV				
OMIC1571R1	FDP,ADK	REVISE PIM I/O PWB	012094	A012794 030794		021794 032394
OML85056R1	--BX	TGW SYSTEM SPEC.MIS-35959	110293	A012794 041894	-----	042194
OMIR5057R1	--BX	MIS-31847 TGW ICD	120293	A012794 042094	-----	050394
OMIK6806	JA	MISC SOFTWARE CHANGES	-----	A020194 031794	-----	032994
OMIC1617P	FAL	SIE-MOTOR CASE INSP MACHINE REDESIGN	010794	A020894	-----	031894
OMIC1618P	FBB	SIE-MOD OF WARHEAD STRUCTURE INSP FIXT	012094	A020894	-----	031894
OMIC1430R1	SEE REMARK	CAGE DOWN SW ADJUSTMENT	010594	A021594 082294		031894 083194
	REMARK ==>	AB,ACF,ACV,ABC,ACU				

A-DATE ECP SUBMITTED TO MICOM
B-ECP APPROVAL/REJECTION DATE
C-ERR APPROVAL DATE
D-MICOM ECP MICROFILM SUBMITTAL DATE
E-EUROPE ECP MICROFILM SUBMITTAL DATE
F-MICOM ERR MICROFILM SUBMITTAL DATE
G-EUROPE ERR MICROFILM SUBMITTAL DATE

1

FORMAL ECP/RFD/RFW STATUS REPORT			DATE 09/23/98				SHEET 96		
UECP/RFD/RFW NO.	END ITEM	TITLE	A	B	C	D	E	F	G
OMIC1432R1	FAX	SIE: HYDROSTATIC TESTER-DESIGN IMPRV	012694	A030494	050495		041894	051195	
OMIC4050	CL,CN,ACW	FCU HARNESS ASSY	012694	A030494	062394		041894	063094	
OMIC1433	SEE ECP	WELDING ALUM ALLOY MIS-30216A	012094	A030694	041894		041894	042694	
OMIC0497R2		UPDATE MLRS MAINTENANCE TRAINER	013090	R030994	-----		-----	-----	
	REMARK ==>	MLRS MAINTENANCE TRAINER							
OMIC0839	EN,ACG	UPDATE MLRS MAINTENANCE TRAINER	011790	R030994	-----		-----	-----	
OV293	RFD	USE OF A POLYACRYLIC ROLLER BEARING SEAL	012094	A030994					
	REMARK ==>	\$3650 CONSIDERATION							
OMIC1197R1	DI, AAP, FCJ	SRE-REVISION OF DOCUMENTATION	021394	A031894	060195		041895	061495	
OMIC1565	SEE REMARK	LCHR, TURRET ASSY, WELD CONFIG	013194	A031894	062394		041894	063094	
	REMARK ==>	EN, AB, ABC, ACG, ACU							
OV294	RFD/RFW	CCA POWER ON RESET CIRCUIT ANOMALLY	022894	A031894					

REMARK ==> \$3650 CONSIDERATION

OMIC1642R1	--BX	IFCS SYTEM SPEC MIS-46307 UPDATE	021494	A033094	050294	-----	051094
OMIK7941	SEE REMARK	CORRECT VENDOR P/N	-----	A033094	060994		051994 091594
OMIC1579	REMARK ==>	EN,ACG,AC,ABB,ACT,AB,ACF,					
OMIC1634	SEE ECP	REPLACE OSHA 2206 W/1910 IN MIS'S	040494	A040394	090294		063094 091594
	SEE REMARK	WARHEAD,CTR SUPPORT OGIVE CHANGE	021494	A040894	051794		050994 052594
	REMARK ==>	BF,CA,CB,EL					
OMIC1599	--BX	FCS-UPDATE B5 SPECS FOR VERS 6.06	040494	A041594	081994		081594 090894
OMIC4053	--BX	UPDATE FCS AT2 SPECTAL. APPLICATION B5	032194	AC41894	060195		050994 061495
OMIK6805	JQ	MISC SOFTWARE CHANGES	-----	AC41894	080994	-----	081894
OV295	RFD/RFW	USE OF NON QPL MMM-A-134	040694	AC41894			
	REMARK ==>	CONSIDERATION OFFERED UND					
OMIC1391R1	SEE REMARK	UPPER ELEV ACTUATOR ATTACHED FITTING	030494	A042994	080994		051994 081894
	REMARK ==>	AB,EN,ACF,ACG,ACV					
OMIC1631	SEE REMARK	RKT POD LIFTING TIE DOWN DRKT	120893	AC50294	090694		051994 091594
	REMARK ==>	BD,BZ,DN,BX,ABD,ADL					
OMIC1563P	HE, ID	SIE-ROLLER SUPT ACCTPT GAGE&BULKHD INSP	030994	A051094	---		060194 -----
OMIC1437	SEE REMARK	SIE: SRP/PDS MANUAL TEST SET	032494	A051394	071095		061394 080395
	REMARK ==>	GG,IO,LU,FCQ					
OMIC1631-1P	IE	SIE-BRACKET GAGE	032294	A051394	-----		063094 -----
OMIC1651R1P	SEE REMARK	LCHR,AZ GEAR BOX TDP IMPROVEMENTS	050594	A053194	-----		063094 -----
	REMARK ==>	AH,AB,ABC,ACU,EN,ACG,AEH					

- A-DATE ECP SUBMITTED TO MICOM
 B-ECP APPROVAL/REJECTION DATE
 C-ERR APPROVAL DATE
 D-MICOM ECP MICROFILM SUBMITTAL DATE
 E-EUROPE ECP MICROFILM SUBMITTAL DATE
 F-MICOM ERR MICROFILM SUBMITTAL DATE
 G-EUROPE ERR MICROFILM SUBMITTAL DATE

1

FORMAL ECP/RFD/RFW STATUS REPORT			DATE 09/23/98					SHEET	97
OECP/RFD/RFW NO.	END ITEM	TITLE	A	B	C	D	E	F	G
OMIC2135	CN	FCP-REVISE KEYBOARD SPEC & DWG	041894	A053194	092194		063094	100594	
OMIC1640	BX,ABD	RKT POD TRAINER,RADIUS BLOCKS ALT MAT	032294	A060194	090694		071394	091594	
OMIC1374-1R2	FAR	SIE-EB TEST SET TAPE PROCEDURE	033094	A060394	062395		063094	070695	
OMIC1645	--BX	SADARM ITS DEVELOPMENT SPEC REV	050394	R061594	-----		-----	-----	
OMIC1658V	ADN	RRFR-REMOVAL OF SPIN BALANCE	060894	A062494	090396		-----	092596	
OMIC1652	SEE REMARK	LCHR FCS MICROCIRCUIT OBSOLETE PARTS	052794	A063094	092994		080494	100594	
	REMARK ==>	CN,CH,CL,EJ,ACW,EQ,ACE,LV							
OV296	RFW	OSCILLATOR CUSTOM IC START TIME ALLOW	060894	R063094					
OV290R1A1	RFD	MISC DISCREPANCIES	062494	A070194					
	REMARK ==>	\$3650 CONSIDERATION							

REMARK ==> DC, AB, ACW, ABC, EN, ACG
 OMIC1797 SEE REMARK REV BREAKOUT BOXES, FCP POSITION TRANSDUC 112296 A121696 082597 012997 090897
 REMARK ==> DQ, DR, DS, ST, ADT
 OMIC1822 ABH LAUNCHER-BRAKE/CLUTCH, DRAWING NOTE CHGS 120296 A121696 050498 012997 051898
 OV333 RFD USE OF APN MIS-34966 2 MFG BY SSDI 101796 A122096
 OMIC1395V SEE REMARK RING, BASE & TURKOT FORGING 112494 R012797 -----
 REMARK ==> AB, EN, ABC, ACU, ACG
 OMIC1396V SEE REMARK CAGE GUIDE BLOCKS 112294 R012797 -----
 REMARK ==> ACF, ACV, ACG
 OMIC1629 SEE REMARK CAGE, STRUCTURAL, TOP PLATE FASTENERS 100594 R012797 -----
 REMARK ==> ACF, ACG, ACV

- A-DATE ECP SUBMITTED TO MICOM
 B-ECP APPROVAL/REJECTION DATE
 C-ERR APPROVAL DATE
 D-MICOM ECP MICROFILM SUBMITTAL DATE
 E-EUROPE ECP MICROFILM SUBMITTAL DATE
 F-MICOM ERR MICROFILM SUBMITTAL DATE
 G-EUROPE ERR MICROFILM SUBMITTAL DATE

1

FORMAL ECP/RFD/RFW STATUS REPORT			DATE 09/23/98				SHEET 106		
OECP/RFD/RFW NO.	END ITEM	TITLE	A	B	C	D	E	F	G
OMIC1793	SEE REMARK	HOOK & PULLEY AY, HOIST-BOLT REMOVAL	120596	A012897	032698		052097	040198	
	REMARK ==>	AB, ACF, ACV, EN, ACG							
OMIC1817	SEE REMARK	RKT POD-BRACKET, LIFTING/TIE-DOWN	120596	A012897	062097		052097	072197	
	REMARK ==>	BD, BX, BZ, DN, ABD, ADM							
OMIC1781	SEE REMARK	HOIST CONTROL BOX-PART AVAILABILITY	012297	A021497	041398		052097	042798	
	REMARK ==>	EP, BV, ABF, AAB							
OMIC1815	SEE REMARK	LCHR-LIMIT SWITCH INSTL WASHER CHANGES	013097	A021497	042898		052097	051898	
	REMARK ==>	AB, ABC, ACU, ACF, ACV, AEO, EN							
OMIC1826	SEE REMARK	LCHR-MISCELLANEOUS DOCUMENTATION CORRECT	013097	A021497	042898		052097	051898	
	REMARK ==>	AB, ABC, ACU, ACF, ACV, AEO, EN							
OV334	RFD	USE OF NON-CONFORMING AZ DR AY HARDWARE	112296	A022697					
	REMARK ==>	\$3650 CONSIDERATION							
OMIC1743R1	SEE REMARK	LCHR-RKTPD HOLDDN FIRE/HOIST ENABLE SW	110496	A022797	040698		052097	042298	
	REMARK -->	AB, ABC, ACU, ACF, ACV, AEO, EN							
OMIC1824	SEE REMARK	LCHR-ELEV XMSN TRAVEL LOCK ACT&BOOMCONT	012797	A022797	041398		052097	042798	
	REMARK ==>	AAA, ABK, ABL, ABZ							
OMIC1798	AEQ	LCHR-PIM TORQUE REQ UPDATE&MISC CHGS	013097	A031797	041598		052097	042798	
OMIC1825	AX	ACT AY, BALL SCREW, ELEV SYS-PLATING SPEC	020497	A031797	041598		052097	042798	
OV336	RFD	USE, CAGE ELEV PIVOT BOLTS, DON'T MEET TST	031897	A033197					
OV335	RFD	EU/FCU OBSOLETE PARTS REPLACEMENT	022797	R040397					
OV337	RFD	EU/FCU/CMP OBSOLETE PARTS REPLACEMENT	042897	A052997					

Fax Header Sheet

DCMA Lockheed Martin Dallas
P.O. Box 650003, Mail Stop PT-03
Dallas, TX 75265-0003

Date: 7-10-02
Of Pgs: 3
(Including Header Sheet)

To: Clarence Daniels
Phone No: _____
Fax No: _____

From: Lillie Williams
Phone No: (972) 603-2565
Fax No: (972) 603-1837

Subject: IES Transfer

Remarks: Clarence - Here is the Interoffice Memo
re: the transfer. I obtained it from
Fred Avery.

- Immediately
- Routine
- For Official Use Only

Lillie

Jul-10-02 07:56am From-DCMA

Jul-09-2002 02:45pm From-Test Operations Lockheed Martin - Dallas

972 603 1837
8160001410

T-317 P.002/003 F-957

LOCKHEED MARTIN

Missiles and Fire Control - Dallas

Interoffice

Memo

SUBJECT: IES ECP Cost Transfer

DATE: 25 February, 2000

TO: Paul Saunders

AVO#: 3-19210/2000AVO-5007

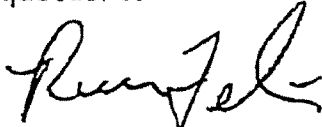
Cc: Bill Knowlton
Dick McGough

Attachment: Cost Transfer Detail

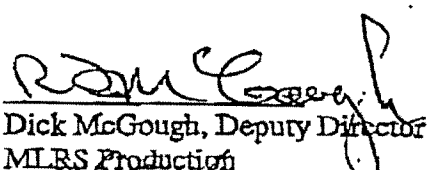
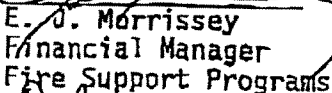

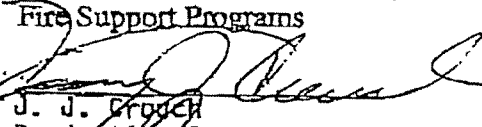
Please find attached a listing regarding ECP related costs that were previously charged to an incorrect network activity (contract).

Accounting is requested to please execute a cost transfer per the attached supporting documentation in order to correct this problem.

Thank you for your assistance and please call me at x 39535 should you have any questions.



Russ Felton,
Contract Administrator - MLRS IES Contracts


Dick McGough, Deputy Director
MLRS Production
E. J. Morrissey
Financial Manager
Fire Support Programs
J. D. Newton
BOSC Manager
Kathy Verrijcke, Financial Mgr.
Fire Support Programs
J. J. Groch
Production Contracts
Fire Support Programs

COST TRANSFER - CONTRACT DAAH01-88-C-0157, W.A.# 3C36, CLIN 28 FEBRUARY 2000

Jul-10-02 07:56am From-DCMA
 Jul-09-2002 02:45pm From-Test Operations Lockheed Martin - Dallas
 972 603 1837
 T-317 P.003/003 F-957

HOME UNIT	ACTIVITY TYPE	HOURS TO TRANSFER	HOURLY RATE (\$)	HOURLY RATE (\$)	COST TO TRANSFER (\$)	FROM: CHARGE #	TO CHARGE#:					
			Oct 89 - Jan 00	Apr 89 - Sep 99			3M13	22%	HOURS	3M87	18%	HOURS
3-11210	1D1S	280	48.81	47.89	\$ 12,652	3C36 AAM 1101	3M13 FBL 1001	\$ 10,875	219	3M87 FBL 1001	\$ 2,277	47
3-21750	1D7S	29	33.03	32.53	859	3C36 AAT 7000	3M13 FBL 6001	704	21	3M87 FBL 6001	165	6
3-24350	105S	62	34.16	32.85	2,089	3C36 CAB 6001	3M13 FBL 7001	1,697	51	3M87 FBL 7001	372	11
3-52130	1D1S	218	34.75	33.41	7,392	3C36 AAD 1101	3M13 FBL 1001	6,012	177	3M87 FBL 1001	1,380	39
3-53440	1D1B	195	27.72	28.86	5,281	3C36 DAB 1401	3M13 FBL 1001	4,330	160	3M87 FBL 1001	951	35
3-53510	1D1B	1,512	28.81	25.58	39,008	3C36 BAA 1001	3M13 FBL 1001	32,231	1,240	3M87 FBL 1001	7,075	272
3-58100	1D1S	1,816	32.40	31.24	51,293	3C36 AAG 1101	3M13 FBL 1001	42,080	1,325	3M87 FBL 1001	9,233	291
3-58120	1D1S	1,120	29.82	28.77	32,971	3C36 BAD 1001	3M13 FBL 1001	27,038	925	3M87 FBL 1001	5,835	209
3-57900	1D1S	13	35.23	38.88	447	3C36 AAX 1101	3M13 FBL 1001	387	11	3M87 FBL 1001	60	2
TOTAL HOURS		5,028	TOTAL COST		\$ 152,210			\$ 124,812	4,123		\$ 27,998	905

Note: Hourly rates represent an average hourly rate for those units involved.

M270A1 LRIP III SAR Hazard Controls Matrix

Table 1-2 Hazard Risks and Control Types

Log No.	Hazard Title	Pre-Mitigation	After Mitigation	Hardware Control(s)	Software Control(s)	Procedural Control(s)
H01 (see para. 7.1.1)	Inadvertent/Premature Rocket Motor Ignition			Yes	Yes	Yes
H02 (see para. 7.1.2)	Rocket Motor Ignition Signal Issued When Launcher Loader is Incorrectly Positioned in No-Fire Zone			Yes	Yes	-
H03 (see para. 7.1.3)	Meteorological Sensor Hazards	NA	NA	-	-	-
H04 (see para. 7.1.4)	Uncommanded Hoist of Boom Movement		IID	Yes	Yes	Yes
H05 (see para. 7.1.5)	LLM Unlock Fault Hazard	IIIC		-	Yes	-
H06 (see para. 7.1.6)	LLM Lock Fault Hazard	IIIB		-	Yes	-
H07 (see para. 7.1.7)	FCP Elevated Temperature		IID	-	-	
H08 (see para. 7.1.8)	Electrical Shock		ID	Yes	-	Yes
H09 (see para. 7.1.9)	FCP Cooling Fans	IIIC	IID	Yes	-	-
H10 (see para. 7.1.10)	Damage to LRUs due to Environmental Exposure	IIIC		Yes	-	-
H11 (see para. 7.1.11)	Material Compatibility	IIIC		Yes	-	-
H12 (see para. 7.1.12)	Failure of Components Due to Vibration	IIIC		Yes	-	-
H13 (see para. 7.1.13)	Software hazards	IIIC		-	Yes	-
H14 (see para. 7.1.14)	Inadvertent Rocket/Missile Firing from One LPA When Commanding a Firing from the Opposite LPA			Yes	Yes	Yes
H15 (see para. 7.1.15)	Uncommanded Enable Output May Result in Inadvertent Missile Launch			Yes	Yes	-
H16 (see para. 7.1.16)	Software Emergency Shutdown			-	Yes	-
H17 (see para. 7.1.17)	Personnel Exposure to Toxic Materials	IID		Yes	-	Yes
H18 (see para. 7.1.18)	Electrical Fires	IID		Yes	Yes	Yes
H19 (see para. 7.1.19)	Electric Shock Imparted to Personnel	IID		Yes	Yes	Yes
H20 (see para. 7.1.20)	LDS Speed Default to Tactical Speed			-	Yes	-
H21	Uncommanded Cage Movement and/or Overspeed Condition at	IID		-	Yes	-

M270A1 LRIP III SAR Hazard Controls Matrix

Log No.	Hazard Title	Pre-Mitigation	After Mitigation	Hardware Control(s)	Software Control(s)	Procedural Control(s)
(see para. 7.1.21)	Tactical Speed (Azimuth and/or Elevation)					
H22 (see para. 7.1.22)	Mechanical Failure of the ADU			Yes	Yes	Yes
H23 (see para. 7.1.23)	Azimuth Brake Failure			Yes	Yes	-
H24 (see para. 7.1.24)	Mechanical Failure of the Output Shaft of the Elevation Transmission			Yes	-	-
H25 (see para. 7.1.25)	Mechanical Failure of the Angle Drive at the Input Interface			Yes	-	-
H26 (see para. 7.1.26)	Failure of the LIU to Control the Azimuth Motor			-	Yes	-
H27 (see para. 7.1.27)	Operator Entanglement in the LDS System			-	Yes	Yes
H28 (see para. 7.1.28)	Leakage or Spraying of Hot Hydraulic Fluid	IIC		Yes	-	Yes
H29 (see para. 7.1.29)	Shaft Resolver Position Data Corrupted	IIC		-	Yes	-
H30 (see para. 7.1.30)	Turns Count Problems			Yes	Yes	-
H31 (see para. 7.1.31)	Movement into Damage Zone	IIC		Yes	Yes	-
H32 (see para. 7.1.32)	Uncommanded Cage Motion		ID	Yes	Yes	Yes





Fax Header Sheet

DCMA Lockheed Martin Dallas
P.O. Box 650003, Mail Stop PT-03
Dallas, TX 75265-0003

Date: 5-29-03
Of Pgs: 15
(Including Header Sheet)

To: Clarence Daniels
Phone No: _____
Fax No: _____

From: Dee Howe
Phone No: (972) 603-2556
Fax No: (972) 603-1837

Subject: FCW's

Remarks: _____

- Immediately
- Routine
- For Official Use Only

SECURITY CLASSIFICATION
 TOP SECRET CONFIDENTIAL
 SECRET UN-CLASSIFIED
 CONFIDENTIAL-MODIFIED HANDLING

TYPE IN DIVISION NAME

LOCKHEED MARTIN DVOUGHT SYSTEMS
 P.O. BOX 1015
 CAMDEN, AR 71711-1015

DD 250
 COMMERCIAL SHIPPER

CHECK ONE

DEBIT MEMO

RRAD
 100 MAIN DR. BLDG 591
 TEXARKANA, TX 75501-5000
 ATTN:KEN KELLEY

DATE: 10/16/02

NUMBER 4-23600/2NSRFS-157

YOUR INVOICE	DATED	AMOUNT	REC. REPORT
		NO CHARGE	

CHARGE TO:

- RETURNED FOR CREDIT ONLY
- RETURNED FOR CREDIT AND REPLACEMENT, REPAIR OR REPLACEMENT COVERED BY WARRANTY, VENDOR EXPENSE
- REPAIR AT OUR EXPENSE
- REPAIR OR REPLACEMENT COVERED BY GUARANTEE
- INVOICE
- DO NOT INVOICE
- MISCELLANEOUS (EXPLAIN)

INSPECTION REQUIRED: LTV GOVT. CUST. NONE MATERIAL CLASS: HAZARDOUS NON-HAZARDOUS

REFER TO:	ACCOUNT NO.	DELIVERY DATE DUE	CUSTOMER P.O. NUMBER
F.O.B HOT SHOT	VIA	Z/L NO. 15284	<input type="checkbox"/> PREPAID <input type="checkbox"/> COLLECT
REJ. REPORT NO.	OUR PD NUMBER Panther II	STORE S REQ.	GOVT. CONTRACT / ORD. NO. G.O. NUMBER 3P06

CONTRACT ITEM NO.	QUANTITY	PART NO.	DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
01	2 EA	13545542	PSU S/N'S 170304 AND 170256		
02	2 EA	13209565	LIU S/N'S 120254 AND 120260		
03	2EA	13206565	WIU S/N'S 580538 AND 580535		
04	2 EA	13211827	PNU S/N'S 380404 AND 380405		
05	1 EA	13026570	ELEC. BOOM BOX A730023		
06	1 EA	13209480	FIRE CONTROL PANEL S/N 540404		
07	1 BOX	NA	MISC. HARDWARE (SCREWS & NUTS)		
08	2 EA	13214814	Boom Controller S/n 985015 A/n 935011		
09	1 EA	13213262-8	Hose		

INSPECTION		LAYOUT		PRESERVATION		PACKING		SHIPPING DOCUMENT DIST. MAIL STOP	
LMVS	CUST	LMVS	CUST	LMVS	CUST	LMVS	CUST		
BOX NO.	TYPE	LGTH	WIDTH	HT	GROSS WT.				
113	WB				451				
203	WB				451				
383	WB						AUTHORIZED IN ACCORDANCE WITH S.P. 441.1		
1FB	FB						SIGNATURE <i>Robert Dwyer</i>		
							NAME (TYPE) MAIL STOP EXT.		
FOR SHIPPING USE ONLY									
SHIPPING CONTROL NO. 02-2632								DATE 10/16/02	

SECURITY CLASSIFICATION
 TOP SECRET CONFIDENTIAL
 SECRET UN-CLASSIFIED
 CONFIDENTIAL-MODIFIED HANDLING

TYPE IN DIVISION NAME
 LOCKHEED MARTIN VUGHT SYSTEMS
 P.O. BOX 1015
 CAMDEN, AR 71711-1015

DD 250
 COMMERCIAL SHIPPER
 DEBIT MEMO

CHECK ONE

SHIP TO:
 RRAD
 100 MAIN DR. BLDG 591
 TEXARKANA, TX 75501-5000
 ATTN: Ken Kelley

DATE: October 17, 2002 NUMBER: 50600/02RFS-526

YOUR INVOICE	DATED	AMOUNT	REC. REPORT
		NO CHARGE	

CHARGE TO:

- RETURNED FOR CREDIT ONLY
- RETURNED FOR CREDIT AND REPLACEMENT, REPAIR OR REPLACEMENT COVERED BY WARRANTY: VENDOR EXPENSE
- REPAIR AT OUR EXPENSE
- REPAIR OR REPLACEMENT COVERED BY GUARANTEE
- INVOICE
- DO NOT INVOICE
- MISCELLANEOUS (EXPLAIN)

INSPECTION REQUIRED: LTV GOVT. CUST. NONE MATERIAL CLASS: HAZARDOUS NON-HAZARDOUS

REFERTO:		ACCOUNT NO.		DELIVERY DATE DUE		CUSTOMER P.O. NUMBER	
F.O.B. VIA		E/L NO. 15299		<input checked="" type="checkbox"/> PREPAID <input type="checkbox"/> COLLECT		N/A	
REL. REPORT NO.		OUR PD NUMBER		STORES REQ.		GOVT. CONTRACT / ORD NO. DAAHD1-00-C-0002	
						G.C. NUMBER 3P08	
CONTRACT ITEM NO.	QUANTITY	PART NO.	DESCRIPTION			UNIT PRICE	TOTAL AMOUNT
	2	13545542	PSU S/N 170306 AND 170307				
	2	13209565	LIU S/N 120249 AND 120258				
	2	13029665	WIU S/N 580526 AND 580527				
	2	13211827	PNU S/N 380402 AND 380396				
	2	13214814	BM CTL S/N 390504 AND 390758				
	1	13209480	FCP S/N: 540470				
	4	13209481	MSD'S S/N 8045, 8074, 8081, 8077				
INSPECTION		LAYOUT		PRESERVATION		PACKING	
LMVS	CUST	LMVS	CUST	LMVS	CUST	LMVS	CUST
BOX NO	TYPE	LGTH	WIDTH	HT	GROSS WT.		
2	WR	60	30	24	725		
1	BR	33	24	25	100		
AUTHORIZED IN ACCORDANCE WITH S.P. 431.1							
SIGNATURE						MAIL STOP EXT.	
NAME (TYPE)							
FOR SHIPPING USE ONLY							
SHIPPING CONTROL NO.						DATE	
02-2668						10-17-02	

REQUEST FOR SHIPMENT 4-87574 PA

SECURITY CLASSIFICATION
 TOP SECRET CONFIDENTIAL
 SECRET UN-CLASSIFIED
 CONFIDENTIAL-MODIFIED HANDLING

TYPE IN DIVISION NAME
 LOCKHEED MARTIN VUGHT SYSTEMS
 P.O. BOX 1015
 CAMDEN, AR 71711-1015

DD 250
 COMMERCIAL SHIPPER
 DEBIT MEMO

CHECK ONE

RRAD
 100 MAIN DR. BLDG 591
 TEXARKANA, TX 75501-5000
 ATTN:KEN KELLEY
Robert Long

DATE: 10/16/02

NUMBER 4-23600/2NSRFS-160

YOUR INVOICE	DATED	AMOUNT	REC. REPORT
		NO CHARGE	

CHARGE TO:

- RETURNED FOR CREDIT ONLY
- RETURNED FOR CREDIT AND REPLACEMENT. REPAIR OR REPLACEMENT COVERED BY WARRANTY. VENDOR EXPENSE
- REPAIR AT OUR EXPENSE
- REPAIR OR REPLACEMENT COVERED BY GUARANTEE
- INVOICE
- DO NOT INVOICE
- MISCELLANEOUS (EXPLAIN)

INSPECTION REQUIRED LTV GOVT. CUST. NONE MATERIAL CLASS: HAZARDOUS NON-HAZARDOUS

REFER TO:		ACCOUNT NO.		DELIVERY DATE DUE		CUSTOMER P.O NUMBER		
F.O.B VIA HOT SHOT		BL. NO. <i>5296</i>		<input type="checkbox"/> PREPAID <input type="checkbox"/> COLLECT		TERMS		
REJ. REPORT NO		OUR PO NUMBER		STORE S REQ.		GOVT. CONTRACT / ORD. NO.		
						G.O. NUMBER 3P03		
CONTRACT ITEM NO.	QUANTITY	PART NO.		DESCRIPTION			UNIT PRICE	TOTAL AMOUNT
01	1 EA	13209480		FCP S/N 540450				
02	2 EA	13213551		HYD. PUMP S/N 240189 AND 240187				
HAND CARRIED @ ROBERT LONG								
INSPECTION		LAYOUT		PRESERVATION		PACKING		SHIPPING DOCUMENT DIST. MAIL STOP
LMVS	CUST	LMVS	CUST	LMVS	CUST	LMVS	CUST	
BOX NO.	TYPE	LGTH	WIDTH	HT	GROSS WT.			
AUTHORIZED IN ACCORDANCE WITH S.P. 441.1								
<i>Randy D. Shambley</i>								
SIGNATURE								
NAME (TYPE)				MAIL STOP		EXT.		
FOR SHIPPING USE ONLY								
SHIPPING CONTROL NO. <i>02-2656</i>						DATE <i>10/16/02</i>		

REQUEST FOR SHIPMENT 4-67574 RA

21'd 256

SECURITY CLASSIFICATION
 TOP SECRET CONFIDENTIAL
 SECRET UN-CLASSIFIED
 CONFIDENTIAL-MODIFIED HANDLING

TYPE IN DIVISION NAME
 LOCKHEED MARTIN VOUGHT SYSTEMS
 P.O. BOX 1015
 CAMDEN, AR 71711-1015

DD 250
 COMMERCIAL SHIPPER
 DEBIT MEMO

CHECK ONE

SHIP TO:
 RRAD
 100 MAIN DRIVE. BLDG 591
 TEXARKANA, TX 75501-5000
 ATTN: Ken Kelley

DATE: October 19, 2002 NUMBER: 50600/02RFS-534

CHARGE TO:

YOUR INVOICE	DATED	AMOUNT	REC REPORT
		NO CHARGE	

- RETURNED FOR CREDIT ONLY
- RETURNED FOR CREDIT AND REPLACEMENT, REPAIR OR REPLACEMENT COVERED BY WARRANTY, VENDOR EXPENSE
- REPAIR AT OUR EXPENSE
- REPAIR OR REPLACEMENT COVERED BY GUARANTEE
- INVOICE
- DO NOT INVOICE
- MISCELLANEOUS (EXPLAIN)

INSPECTION REQUIRED: LTY GOVT. CUST. NONE MATERIAL CLASS: HAZARDOUS NON-HAZARDOUS

REFER TO:		ACCOUNT NO.	DELIVERY DATE DUE October 19, 2002	CUSTOMER P.O. NUMBER N/A						
F.O.B. VIA HAND CARRIED		B/L NO. 15307	<input checked="" type="checkbox"/> PREPAID <input type="checkbox"/> COLLECT	TERMS						
REL. REPORT NO.	OUR PO NUMBER	STORES REQ.	GOVT. CONTRACT / ORD. NO. DAAH01-00-C-0002	S.O. NUMBER 3P08						
CONTRACT ITEM NO.	QUANTITY	PART NO.	DESCRIPTION	UNIT PRICE	TOTAL AMOUNT					
	1	13029480	FCP 540479							
			Hand carried by Robert Long							
INSPECTION		LAYOUT		PRESERVATION		PACKING		SHIPPING DOCUMENT DIST./MAIL STOP		
LMVS	CUST	LMVS	CUST	LMVS	CUST	LMVS	CUST			
BOX NO.	TYPE	LGTH	WIDTH	HT	GROSS WT.					
							AUTHORIZE IN ACCORDANCE WITH S.P. 411			
							SIGNATURE <i>Robert Long</i>			
							NAME (TYPE) MAIL STOP EXT			
							FOR SHIPPING USE ONLY			
							SHIPPING CONTROL NO. 02-2685		DATE 10/18/02	

REQUEST FOR SHIPMENT 487574 RA

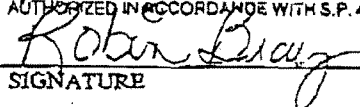
100 MAIN DR. BLDG 591
TEXARKANA, TX 75501-5000
ATTN: KEN KELLEY

YOUR INVOICE	DATED	AMOUNT	REG. REPORT
		NO CHARGE	

CHARGE TO:

- RETURNED FOR CREDIT ONLY
- RETURNED FOR CREDIT AND REPLACEMENT, REPAIR OR REPLACEMENT COVERED BY WARRANTY VENDOR EXPENSE
- REPAIR AT OUR EXPENSE
- REPAIR OR REPLACEMENT COVERED BY GUARANTEE INVOICE
- DO NOT INVOICE
- MISCELLANEOUS (EXPLAIN)

INSPECTION REQUIRED: LTV GOVT. CUST. NONE MATERIAL CLASS: HAZARDOUS NON-HAZARDOUS

REFER TO:		ACCOUNT NO. 15304		DELIVERY DATE DUE		CUSTOMER P.O. NUMBER	
F.O.B. VIA		B/L NO. Panther II		<input checked="" type="checkbox"/> PREPAID <input type="checkbox"/> COLLECT		TERMS	
REJ REPORT NO.		OUR PO NUMBER		STORE S REQ		GOVT. CONTRACT / ORD. NO.	
						G.O. NUMBER 3P08	
CONTRACT ITEM NO.	QUANTITY	PART NO.		DESCRIPTION		UNIT PRICE	TOTAL AMOUNT
01	1	13209565		LIU S/N 120257			
02	1	13209665		WLU S/N 580536			
03	1	13211827		PNU S/N 380410			
04	1	13209480		FCP S/N 540466			
05	1	13214814		BOOM CONTROLLER S/N 290399			
INSPECTION		LAYOUT		PRESERVATION		PACKING	
LMVS	CUST	LMVS	CUST	LMVS	CUST	LMVS	CUST
BOX NO.		TYPE		LGTH		WIDTH	
1		WB				500	
1		FO				90	
						GROSS WT.	
						1800-685-0657 13004	
						DIO# 27996	
						AUTHORIZED IN ACCORDANCE WITH S.P. 441.1	
						 SIGNATURE	
						NAME (TYPE) MAIL STOP EXT.	
						FOR SHIPPING USE ONLY	

May-28-03 02:21pm From:DCMA
20'd

872 603 1837

T-046 P.002

F-333

[REDACTED]
From: [REDACTED]
Sent: Thursday, October 17, 2002 11:03 AM
To: [REDACTED]
Subject: FW: Change Order, Contract DAAH01-00-C0109

Per your request.

[REDACTED]
[REDACTED]
Manager, M270A1 LRIP Programs
[REDACTED]
[REDACTED]

-----Original Message-----

From: [REDACTED]
Sent: Thursday, October 10, 2002 5:42 PM
To: [REDACTED]
Subject: FW: Change Order; Contract DAAH01-00-C0109

Below is the Contracting Officer's direction for LMMFC-D to commence the RRAD activity as discussed with [REDACTED]. Please proceed with this direction.

-----Original Message-----

From: [REDACTED]
Sent: Thursday, October 10, 2002 5:28 PM
To: [REDACTED]
Subject: Change Order; Contract DAAH01-00-C0109

Under the authority of the Changes Clause of the subject contract, LMMFC is hereby directed to send a team to Red River Army Depot, DDRT, with 5 sets of IFCS LPU's borrowed from the LRIP 3 production line and install them on 5 M270A1 launchers, and check the launchers to insure they are functional (Run Command Built in Test (CBIT), perform offload, run a fire mission). The contractor is also authorized to use ICS assets and/or LRIP 4 production hardware to support any failures of the launcher hydraulic equipment. LMMFC is not authorized to expend in excess of \$100,000 in the performance of this effort without further approval of the Contracting Officer.

[REDACTED]
Contracting Officer

10/18/2002 15:45 FAX 258 876 3482

MLRS ACQ CTR

LOCKHEED

002



DEPARTMENT OF THE ARMY
UNITED STATES ARMY AVIATION AND MISSILE COMMAND
1000 MARTIN ROAD
REDSTONE ARSENAL, ALABAMA 35894-0001

REPLY TO
ATTENTION OF

AMSAM-AC-TM-C

MLRS Acquisition Division

15 October 2002

SUBJECT: Contract DAAHD1-00-C-0109, M270A1 LRIP III Launcher Acceleration

Mr. W. F. Kennedy
Lockheed Martin Missiles and Fire Control-Dallas
Post Office Box 65003
Dallas, Texas 75265-0003

Dear Mr. Kennedy:

Lockheed Martin Missile and Fire Control - Dallas' request for Government approval to accelerate delivery of the last five (5) upgraded LRIP III M270A1 launchers utilizing slaved hardware, which is defined as the process of using the same set of Fire Control System (FCS) hardware i.e.; FCP, LIU, WIU, PSU and PNU; to test and sell-off up to five (5) M270A1 launchers, with the FCS hardware being removed following signing of the DD-250 and used on the next launcher to be tested and sold allowing LMMFC-D to invoice in full is authorized.

However, the approval to deliver is contingent upon the parties agreeing to the following:

- FCS hardware to be removed following DD-250;
- Contractor is authorized to expand and collect all cost over and above normal production, i.e. to install and remove slave hardware before and after PUT, final function, DD-250 and protection/preservation prior to Care of Supplies in Storage (COSIS). Specific tasks associated with protection/preservation will be provided to the contractor not later than 31 October 2002;
- Warranties to remain until hand-off if agreed upon COSIS procedures are followed.

If you have any further comments or questions on this matter you may contact the undersigned at telephone (256) 876-8840.

Sincerely,

[Redacted signature block]

Part #		SERIAL #	SERIAL #	SERIAL #	SERIAL #	SERIAL #
13545542	PSU	170304	170256	170306	170307	170299
13209480	FCP	540404	540450	540470	540466	540479
13209565	LIU	120254	120260	120249	120258	120257
13209865	WIU	580538	580535	580526	580527	580536
13211827	PNU	380404	380405	380402	380396	380410
13214814	BM CTL	935011	935015	390504	390758	390399

Part #		SERIAL #	SERIAL #	SERIAL #	SERIAL #	SERIAL #
13545542	PSU	170304	170256	170306	170307	170299
13209480	FCP	540404	540450	540470	540466	540479
13209565	LIU	120254	120260	120249	120258	120257
13209665	WIU	580538	580535	580526	580527	580536
13211827	PNU	380404	380405	380402	380396	380410
13214814	BM CTL	935011	935015	390504	390758	390399



DEPARTMENT OF THE ARMY
UNITED STATES ARMY AVIATION AND MISSILE COMMAND
REDSTONE ARSENAL, ALABAMA 35898-5280

REPLY TO
ATTENTION OF

January 30, 2001

Acquisition Center
MLRS Division

Lockheed Martin Missiles and Fire Control System – Dallas
Mr. Jimmy J. Crouch – MLRS Production Contracts
P. O. Box 650003
Dallas, TX 75265-1000

SUBJECT: Contract DAAH01-98-C-0138 Launcher Deliveries for Jan 2001

REFERENCE: A: Lockheed Martin Letter 3-19210/2000L-5464
B: Contracting Officer Letter 19 December 2000

Dear Mr. Crouch:

*two
wds*

This letter is written to give notice that the Government will conditionally accept the ~~three~~ launchers scheduled for delivery for the month of January 2001 under the conditions stated in the Lockheed Martin Missiles and Fire Control – Dallas Letter 3-19210/2000L-5427 as well as the conditions placed in the Government's response letter dated 29 November 2000. Acceptance of the January 2001 launchers does not relieve Lockheed Martin Missiles and Fire Control – Dallas of successfully completing FQT, retrofitting launchers or meeting any other requirements of the contract.

If you need further information please contact the undersigned at (256) 876-3223.

Sincerely,

Contracting Officer



DEPARTMENT OF THE ARMY
UNITED STATES ARMY AVIATION & MISSILE COMMAND
REDSTONE ARSENAL, ALABAMA 35898-5280

REPLY TO
ATTENTION OF
Acquisition Center, MLRS Division

29 November 2000

Lockheed Martin Vought Systems
Mr. Jimmy J. Crouch - MLRS Production Contracts
P. O. Box 650003
Dallas, Texas 75265-1000

Dear Mr. Crouch

Please reference Lockheed Martin Vought Systems Letter 3-19210/2000L-5427, Subject: Contract DAAH01-98-C-0138, M270A1 Launcher Upgrade-LRIP 1&2 Launcher sales.

In response to the above referenced letter, it is the Government's position that all potential root causes for the uncommanded cage movement and excessive piston shoe wear have yet to be determined. The Government will conditionally accept the six launchers scheduled for delivery for the months of October 2000 and November 2000 under the conditions stated in your letter as well as the following conditions.

Research is continued to determine the exact cause of the uncommanded cage movement and excessive piston shoe wear at no additional cost to the Government.

Repairs and solutions are developed for all 45 identified potential causes and any others that arise during the course of the research. Developed repairs and solutions for the uncommanded cage movement and excessive piston shoe wear are to be applied to all M270A1 launchers previously delivered and those yet to be delivered at no additional cost to the Government.

Shipment of these launchers will be in place.

Acceptance of December 00 M270A1 launchers will be contingent upon continued adherence to the FQT schedule and the development and provision to the Government of an acceptable retrofit schedule.

If you should need further information please contact the undersigned at (256) 876-4588.

Sincerely,

J
A
M
C

8

Exh 10



**DEPARTMENT OF THE ARMY
UNITED STATES ARMY AVIATION & MISSILE COMMAND
REDSTONE ARSENAL, ALABAMA 35898-5280**

**REPLY TO
ATTENTION OF
Acquisition Center, MLRS Division**

19 December 2000

Lockheed Martin Vought Systems
Mr. Jimmy J. Crouch – MLRS Production Contracts
P. O. Box 650003
Dallas, Texas 75265-1000

Dear Mr. Crouch:

Please reference Lockheed Martin Corporation, Missiles and Fire Control-Dallas Letter 3-19210/2000L-5464, Subject: Contract DAAH01-98-C-0138, LRIP Request for December Launcher Sale.

The Government will conditionally accept the there launchers scheduled for delivery for the month of December 00 under the conditions stated in Lockheed Martin Corporation, Missiles and Fire Control-Dallas Letter 3-19210/2000L-5427 as well as the conditions stated in the Government's response dated 29 November 00. Acceptance of December 00 launchers does not relieve Lockheed Martin Corporation, Missiles and Fire Control-Dallas of successfully completing FQT, retrofitting launchers or meeting any other requirements of the contract.

If you should need further information please contact the undersigned at (256) 876-4588.

Sincerely,



Major, Ordnance
Contracting Officer

Exh 11



DEPARTMENT OF THE ARMY
UNITED STATES ARMY AVIATION AND MISSILE COMMAND
REDSTONE ARSENAL, ALABAMA 35898-5280

REPLY TO
ATTENTION OF
MLRS Acquisition Division

26 February 2002

SUBJECT: Contract DAAH01-00-C-0109, M270A1 LRIP III-V/FSP 1-2, Contract
DAAH01-98-C-0138, M270A1 Upgrade LRIP I-II; Power Switching Unit, Relay Failure

Mr. W. F. Kennedy
Lockheed Martin Missiles and Fire Control-Dallas
Post Office Box 65003
Dallas, Texas 75265-0003

Dear Mr. Kennedy:

Reference letter number 3-19210/2002L-5100, dated 26 February 2002, subject as stated above.

Lockheed Martin Missile and Fire Control - Dallas' request for Government approval to continue delivery of upgraded LRIP III M270A1 launchers is approved. However, the approval to deliver is contingent upon LMMFC-D agreeing to the revision of paragraph 5 by incorporating "to the Government" after cost on line three.

If you have any further comments or questions your point of contact on this matter is Ms. Colleen Rodriguez, telephone (256) 876-8840.

Sincerely,

A large black rectangular redaction box covering the signature of the Contracting Officer.

Contracting Officer

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT 1. Contract ID Code Firm-Fixed-Price Page 1 Of 4

2. Amendment/Modification No. R00071	3. Effective Date 30 MAR 2001	4. Requisition/Purchase Req No. SEE SCHEDULE	5. Project No. (If applicable)
6. Issued By US ARMY AVIATION & MISSILE COMMAND AMEAM-AC-IM-C STANIS COX (256) 876-8848 FORT GOWEN AERONAUTICAL AL 35888-5280 EMAIL: JCKMARE@STONK.ARMY.MIL	Code W31140	7. Administered By (If other than Item 6) DCM DALLAS 1200 MAIN STREET DALLAS TX 75202-4399	Code 94402A

8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code) LOCKHEED MARTIN CORP MISSILES AND FIRE CONTROL DALLAS 1701 W MARSHALL DR GRAND PRAIRIE TX 75051 TYPE BUSINESS: Large Business Performing in U.S. Code 4053 Facility Code	<input type="checkbox"/> 9A. Amendment Of Solicitation No. <input type="checkbox"/> 9B. Dated (See Item 11) <input checked="" type="checkbox"/> 10A. Modification Of Contract/Order No. DAAH01-98-C-0138 <input type="checkbox"/> 10B. Dated (See Item 13) 139870202
--	---

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.
 Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) by completing items 8 and 13, and returning _____ copies of the amendment; (b) by acknowledging receipt of this amendment on each copy of the offer submitted; or (c) by separate letter or telegram which includes a reference to the solicitation and amendment numbers. **FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.** If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting And Appropriation Data (If required)
ACRN: RE NET DECREASE: -67,500.00

13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS
It Modifies The Contract/Order No. As Described In Item 14.

<input type="checkbox"/> A. This Change Order Is Issued Pursuant To The Contract/Order No. In Item 10A.	The Changes Set Forth In Item 14 Are Made In
<input type="checkbox"/> B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority Of FAR 43.103(b).	
<input checked="" type="checkbox"/> C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of: mutual agreement	
<input type="checkbox"/> D. Other (Specify type of modification and authority)	

IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the Issuing Office.

14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible)
SEE SECOND PAGE FOR DESCRIPTION

Contract Expiration Date: 2001JUL31

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name And Title Of Signer (Type or print) Kathy K. Verriljcke Fin. Manager, Fire Support Launcher System	16A. Name And Title Of Contracting Officer (Type or print) COLLEEN RODRIGUEZ CONTRACTS/ORDERS, ARMY.MIL (256) 876-8840
15B. Contractor/Officer <i>Kathy K. Verriljcke</i> (Signature of person authorized to sign)	15C. Date Signed 29 Mar 2001
16B. United States Of America By <i>Colleen Rodriguez</i> (Signature of Contracting Officer)	16C. Date Signed 30 Mar 2001

NSN 7540-01-152-3070
PREVIOUS EDITIONS UNUSABLE

30-105-02

STANDARD FORM 50 (REV. 10-83)
Prescribed by GSA FAR (48 CFR) 53.143

CONTINUATION SHEET

Reference No. of Document Being Continued

Page 2 of 4

PHIN/SHIN DAAH01-98-C-0138

MOD/AMD P00071

Name of Offeror or Contractor: LOCKHEED MARTIN CORP

A-1 THE PURPOSE OF THIS MODIFICATION IS TO REFLECT ACCEPTANCE OF TWO LAUNCHERS FOR MARCH 2001

A-2 THE CRITERIA FOR ACCEPTANCE IS AS FOLLOWS:

- 1) ADHERENCE TO THE PQT SCHEDULE.
- 2) SUBMITTAL OF AN ACCEPTABLE CORRECTIVE ACTION PLAN.
- 3) REPAIR ANY FAILURES OF THOSE LAUNCHERS HELD AT DORT UNDER THE WARRANTY/CLS PROVISIONS OF THE CONTRACT.
- 4) RETROFIT PREVIOUSLY ACCEPTED HARDWARE AS A RESULT OF PQT ANOMALIES.
- 5) COMPLETE TASKS FOR M270A1 FABRICATION SEQUENCE AFL 0005 THROUGH 0022 AT RRAD UPON RELEASE OF IOTE SOFTWARE (OT RELEASE)
- 6) INSTALL LATEST VERSION OF LRU FIRMWARE IN THE PCP, WIG, LIU AND PNU.
- 7) INSTALL IOTE SOFTWARE IN EACH LAUNCHER.
- 8) PERFORM A LAUNCHER OPERATIONS TEST (PRODUCTION UNIT TEST SECTION III). THE TEST SHALL INCLUDE OPEN ITEMS RELATIVE TO PERFORMANCE OF EACH FIRE CONTROL SYSTEM AS DOCUMENTED ON DD FORM 250 AT SELL-OFF.
- 9) REPORT COMPLETION OF THE ACTIONS REFLECTED IN EACH OF THE ABOVE PARAGRAPHS. THE REPORT SHALL CONTAIN AT A MINIMUM THE FOLLOWING ITEMS:
 - (A) VERSION OF SOFTWARE INSTALLED IN EACH M270A1 LAUNCHER;
 - (B) VERSION OF FIRMWARE INSTALLED AT EACH LRU;
 - (C) FIRE CONTROL SYSTEM TASKS PERFORMED AND RESULTS ACHIEVED.

A-3 CLIN 0008 IS HEREBY REDUCED FROM \$3,262,698 BY \$7,500 (ADMINISTRATIVE CONSIDERATION) TO A NEW TOTAL AMOUNT OF \$3,255,198

A-4 THIS MODIFICATION CONSTITUTES COMPLETE, FULL AND FINAL SETTLEMENT OF THE CHANGES CONTAINED HEREIN. THE CONTRACTOR HEREBY RELEASES THE GOVERNMENT FROM ANY AND ALL LIABILITY UNDER THE CONTRACT FOR FURTHER EQUITABLE ADJUSTMENTS ATTRIBUTABLE TO SUCH FACTS OR CIRCUMSTANCES GIVING RISE TO THE CHANGES CONTAINED HEREIN.

*** END OF NARRATIVE A 074 ***

CONTINUATION SHEET

Reference No. of Document Being Continued
 PIIN/SIIN DAAH01-98-C-0138 MOD/AMD P00071

Page 3 of 4

Name of Offeror or Contractor: LOCKHEED MARTIN CORP

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT						
0008	<p>SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS</p> <p><u>Supplies or Services and Prices/Costs</u></p> <p><u>FY-99 - OPTION LAUNCHER INTEGRATION</u></p> <p>NOUN: IAW ATCH 001 (*24 LCHRS) SECURITY CLASS: Unclassified PRON: 7N9LCHG459 PRON AMD: 01 ACRN: AE AMS CD: 22306106</p> <p><u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin</p> <p><u>Deliveries or Performance</u></p> <table border="0"> <tr> <td>DLVR SCH</td> <td>PERF COMPL</td> </tr> <tr> <td><u>REL CD</u></td> <td><u>DATE</u></td> </tr> <tr> <td>001</td> <td>30-NOV-2001</td> </tr> </table> <p style="text-align: right;">\$ 3,255,198.00</p>	DLVR SCH	PERF COMPL	<u>REL CD</u>	<u>DATE</u>	001	30-NOV-2001	24	EA	\$	3,255,198.00
DLVR SCH	PERF COMPL										
<u>REL CD</u>	<u>DATE</u>										
001	30-NOV-2001										

CONTINUATION SHEET

Reference No. of Document Being Continued

Page 4 of 4

PIIN/SIIN DAAH01-98-C-0138

MOD/AMD P00071

Name of Offeror or Contractor: LOCKHEED MARTIN CORP

SECTION G - CONTRACT ADMINISTRATION DATA

LINE ITEM	PRON/ AME CD	ACRN	OBLG STAT/ JOB ORD NO	PRIOR AMOUNT	INCREASE/DECREASE AMOUNT	CUMULATIVE AMOUNT
	7N9LCHG459	AE	1	\$ 3,262,698.00	\$ -7,500.00	\$ 3,255,198.00
	2230610E		97NLCH			
				NET CHANGE	\$ -7,500.00	

SERVICE NAME	NET CHANGE BY ACRN	ACCOUNTING CLASSIFICATION	ACCOUNTING STATION	INCREASE/DECREASE AMOUNT
Army	AE	21 92032000095LSL06P223061252G 801021	W31G3H	\$ -7,500.00
NET CHANGE				\$ -7,500.00

NET CHANGE FOR AWARD:	PRIOR AMOUNT OF AWARD	INCREASE/DECREASE AMOUNT	CUMULATIVE OBLIG AMT
\$	155,434,456.98	\$ -7,500.00	\$ 155,426,956.98

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code Page 1 Of 4
Fixed-Price Redetermination
2. Amendment/Modification No. 3. Effective Date 4. Requisition/Purchase Req No. 5. Project No. (If applicable)

6. Issued By US ARMY AVIATION & MISSILE COMMAND
JMEAM-AC-TM-C
JAMES COX (256)876-8849
REDSTONE ARSENAL AL 35898-5280
EMAIL: JCOX@REDSTONE.ARMY.MIL
7. Administered By (If other than Item 6) DCMA DALLAS
1200 MAIN STREET
DALLAS TX 75202-4399
Code 84402A
SCD C PAS NONE ADF PT HQ0339

8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code) LOCKHEED MARTIN CORP
MISSILES AND FIRE CONTROL DALLAS
1701 W MARSHALL DR
GRAND PRAIRIE TX 75051
9A. Amendment Of Solicitation No.
9B. Dated (See Item 11)
10A. Modification Of Contract/Order No. DAANG1-00-C-0109
10B. Dated (See Item 13) 2000JUN29
Code 64059 Facility Code

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS
The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers
is extended, is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:
(a) By completing items 8 and 15, and returning copies of the amendments; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.
12. Accounting And Appropriation Data (If required)
ACRN: AK NET DECREASE: -\$30,000.00

13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS
It Modifies The Contract/Order No. As Described In Item 14.
KIND MOD CODE: G
A. This Change Order Is Issued Pursuant To: The Changes Set Forth In Item 14 Are Made In The Contract/Order No. In Item 10A.
B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).
C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of: Mutual Agreement
D. Other (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return - 1 - copies to the Issuing Office.

14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
SEE SECOND PAGE FOR DESCRIPTION

Contract Expiration Date: 2006NOV30
Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name And Title Of Signer (Type or print) K.R. Towe, Director Finance
Tactical Missiles
16A. Name And Title Of Contracting Officer (Type or print) COLLEEN RODRIGUEZ
C.RODRIGUEZ@REDSTONE.ARMY.MIL (256)876-8840
15B. Contractor/Officer 15C. Date Signed 12-19-02 16B. United States Of America 16C. Date Signed 19 DEC 2002
Signature of person authorized to sign Signature of Contracting Officer

CONTINUATION SHEET

Reference No. of Document Being Continued

Page 2 of 4

PIIN/SIIN DAAM31-00-C-0109

MOD/AMD P00060

Name of Offeror or Contractor: LOCKHEED MARTIN CORP

SECTION A - SUPPLEMENTAL INFORMATION

A-1 THE PURPOSE OF THIS MODIFICATION IS TO REVISE THE SUBJECT CONTRACT AS SHOWN BELOW.

A-2 ENGINEERING CHANGE PROPOSAL (ECP) MI-C1968 ENTITLED 'M270A1: LAUNCHER ELECTRICAL ICD UPDATES, MIS-48648 AND MIS-48811' IS HEREBY INCORPORATED INTO CLIN 0101. ANY ADDITIONAL COSTS ASSOCIATED WITH THIS ECP SHALL BE INCLUDED AS PART OF THE FIRM-FIXED PRICE PORTION OF THE LRIP IV CONTRACT.

A-3 REQUEST FOR DEVIATION/WAIVER V358 ENTITLED 'M270A1: NON-CONFORMANCE TO LAUNCHER PERFORMANCE SPECIFICATION REQUIREMENT' IS HEREBY INCORPORATED INTO CLIN 0101. HOWEVER, THIS APPROVAL IS CONTINGENT UPON THE PARTIES AGREEING TO THE FOLLOWING:

- 1) CONSIDERATION IN THE AMOUNT OF \$30,000, WITH THE UNDERSTANDING THAT NO PRECEDENT IS HEREBY ESTABLISHED BY ACCEPTANCE OF THIS DOLLAR AMOUNT.
- 2) QUANTITY SHALL NOT TO EXCEED 10 EACH.
- 3) DELIVERY AND USE OF LRIP IV LAUNCHERS PRODUCED FROM DECEMBER 2002 THROUGH JANUARY 2003.
- 4) DELETION OF ALL REFERENCES TO OMITTING PARAGRAPHS 3.1.3.2.E, 3.2.2.4.2BB AND 3.2.8.2.6.
- 5) A VERSION OF GOLF SOFTWARE TO BE INCORPORATED INTO FEBRUARY 2003 LAUNCHER DELIVERIES.
- 6) THE CONTRACTOR SHALL PROVIDE DOCUMENTATION THAT THE WAIVED REQUIREMENTS HAVE BEEN MET.
- 7) THE CONTRACTOR SHALL ASSUME ALL COSTS ASSOCIATED WITH ANY DEFECTS ASSOCIATED WITH WAIVED REQUIREMENTS INCORPORATED BY VERSION GOLF
- 8) A WEEKLY STATUS REPORT SHALL BE PROVIDED TO THE APH PRODUCTION

A-4 APPROVAL BY THE CONTRACTING OFFICER OF ECP MI-C1968 AND WAIVER V358 IS NOT TO BE INTERPRETED AS A RATIFICATION BY THE U.S. ARMY, OR ANY GOVERNMENT ENTITY, OF THE INTEGRITY OF THE PARTS COVERED BY THIS WAIVER, NOR AS A CONTRACTUAL OR LEGAL WAIVER BY THE GOVERNMENT RELATING TO ANY MATTER INVOLVING THE PRODUCTION OF MULTIPLE LAUNCH ROCKET SYSTEM (MLRS) LINE REPLACEABLE UNITS (LRUS), NOR A RELEASE OF ANY WARRANTY RESPONSIBILITIES.

A-5 THIS MODIFICATION CONSTITUTES COMPLETE, FULL AND FINAL SETTLEMENT FOR ALL THE CONTRACTUAL CHANGES OF THIS MODIFICATION. THE PARTIES HEREBY MUTUALLY RELEASE EACH OTHER FROM ANY AND ALL LIABILITY UNDER THIS CONTRACT FOR FURTHER EQUITABLE ADJUSTMENTS ATTRIBUTABLE TO SUCH FACTS OR CIRCUMSTANCES GIVING RISE TO THESE CHANGES.

*** END OF NARRATIVE A 063 ***

CONTINUATION SHEET

Reference No. of Document Being Continued
 PIIN/SIIN DAAH01-00-C-0109 MOD/AMD P00060

Name of Offeror or Contractor: LOCKHEED MARTIN CORP

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	
0101	<p>SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS</p> <p><u>Supplies or Services and Prices/Costs</u></p> <p>NOUN: M270A1 LRIP IV SECURITY CLASS: Unclassified</p> <p><u>LRIP IV - M270A1 UPGRADED LAUNCHER</u></p> <p>PRON: 7N1LCHEB59 PRON AMD: 03 ACRN: AK AMS CD: 22306106</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin</p>	66	EA	\$ 1,590,264.318	\$ 104,957,445.00

CONTINUATION SHEET

Reference No. of Document Being Continued

Page 4 of 4

PLN/SHN DAH01-00-C-0109

MOD/AMD P00060

Name of Offeror or Contractor: LOCKHEED MARTIN CORP

SECTION G - CONTRACT ADMINISTRATION DATA

LINE ITEM	FROM/ AME CD	OBLG STAT/ ACRN JOB ORD NO	PRIOR AMOUNT	INCREASE/DECREASE AMOUNT	CUMULATIVE AMOUNT
0101	7NLCH859 22306106	AK 1 17NLCH	\$ 104,987,445.00	\$ -30,000.00	\$ 104,957,445.00
				NET CHANGE \$	-30,000.00

SERVICE NAME	NET CHANGE BY ACRN	ACCOUNTING CLASSIFICATION	ACCOUNTING STATION	INCREASE/DECREASE AMOUNT	
Army	AK	21 12032000015L5L06P22306131E8 S01021	W31G3H	\$ -30,000.00	
				NET CHANGE \$	-30,000.00

	PRIOR AMOUNT OF AWARD	INCREASE/DECREASE AMOUNT	CUMULATIVE OBLIG AMT
NET CHANGE FOR AWARD:	\$ 378,796,737.03	\$ -30,000.00	\$ 378,766,737.03

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Firm-Fixed-Price

Page 1 Of 2

2. Amendment/Modification No.
F00054

3. Effective Date
26 SEP 2000

4. Requisition/Purchase Req No.
SEE SCHEDULE

5. Project No. (If applicable)

6. Issued By
Code W31F4Q
US ARMY AVIATION & MISSILE COMMAND
AMEAM-AC-TH-C
EMILY SPRINGER (236) 876-0845
REDSTONE ARSENAL AL 35898-5280
EMAIL: SPRINGER-EASREDSTONE.ARMY.MIL

7. Administered By (If other than Item 6)
Code 64620A
DCMC DALLAS-L/H VUGHT SYSTEMS
P O BOX 650003 M/D FT-03
DALLAS TX 75265-0003
SCD C PAS NONE ADP FT SC1002

8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)
LOCKHEED MARTIN CORP
MISSILES AND FIRE CONTROL DALLAS
1701 W MARSHALL DR
GRAND PRATHER TX 75051
TYPE BUSINESS: Large Business Performing in U.S.
Code 64059 Facility Code

9A. Amendment Of Solicitation No.
9B. Dated (See Item 11)
9C. Modification Of Contract/Order No.
DAAH01-98-C-0119
10B. Dated (See Item 13)
1998JUL02

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of offers is extended, is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendments; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each (telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting And Appropriation Data (If required)
NO CHANGE TO OBLIGATION DATA

13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS

KIND MOD CODE: 0
It Modifies The Contract/Order No. As Described In Item 14.
 A. This Change Order is Issued Pursuant To: The Changes Set Forth In Item 14 Are Made In The Contract/Order No. In Item 10A.
 B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).
 C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of: mutual Agreement
 D. Other (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 1 copies to the Issuing Office.

14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
SEE SECOND PAGE FOR DESCRIPTION

Contract Expiration Date: 2003JUL31

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name And Title Of Signer (Type or print)
K. K. VERFijtke Financial Manager Fire Support

16A. Name And Title Of Contracting Officer (Type or print)
William David Salinas Contracting Officer

15B. Contractor/Officer
Signature of person authorized to sign

15C. Date Signed
26 Sept 00

16B. United States Of America
By Signature of Contracting Officer

16C. Date Signed
26 Sep 2000

ISBN 7540-02-152-6070
REVISED EDITIONS UNUSABLE

30-105-02

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA FAR (48 CFR) 53.243

CONTINUATION SHEET

Reference No. of Document Being Continued

Page 2 of 2

PIIN/SIIN DAAH01-98-C-0138

MOD/AMD P00054

Name of Offeror or Contractor: LOCKHEED MARTIN CORP

SECTION A - SUPPLEMENTAL INFORMATION

A-1 THIS MODIFICATION IS ISSUED TO CLARIFY REQUIREMENTS FOR DELIVERY OF M270A1 LAUNCHERS WITH SOFTWARE RELEASED PRIOR TO RELEASE OF OPERATIONAL TEST SOFTWARE.

A-2 THE CONTRACTOR SHALL, UPON RELEASE OF IOTE SOFTWARE (OT RELEASE) IN JANUARY 2001, COMPLETE THE FOLLOWING TASKS FOR M270A1 LAUNCHER, FABRICATION SEQUENCE APL 0005 THROUGH 0022 AT RED RIVER ARMY DEPOT:

A. INSTALL THE LATEST VERSION OF LRU FIRMWARE IN THE FIRE CONTROL PANEL (FCP), WEAPONS INTERFACE UNIT (WIU), LAUNCHER INTERFACE UNIT (LIU), AND POSITION NAVIGATION UNIT (PNU).

B INSTALL IOTE SOFTWARE IN EACH LAUNCHER

C. PERFORM A LAUNCHER OPERATIONS TEST (PRODUCTION UNIT TEST SECTION III) TO VERIFY OPERATION AND COMPATIBILITY OF SOFTWARE/FIRMWARE. THE TEST SHALL INCLUDE OPEN ITEMS RELATIVE TO PERFORMANCE OF EACH FIRE CONTROL SYSTEM AS DOCUMENTED ON THE INDIVIDUAL DD FORM 250 COMPLETED AT SELL-OFF FOR EACH M270A1 LAUNCHER.

D. REPORT COMPLETION OF THE ACTIONS REFLECTED IN PARAGRAPHS A, B, AND C ABOVE FOR EACH M270A1 LAUNCHER THE REPORT SHALL CONTAIN AT A MINIMUM THE FOLLOWING ITEMS:

- (1) VERSION OF SOFTWARE INSTALLED IN EACH M270A1 LAUNCHER
- (2) VERSION OF FIRMWARE INSTALLED IN EACH LRU
- (3) FIRE CONTROL SYSTEM TASKS PERFORMED AND RESULTS ACHIEVED

A-3 ANY FAILURES OF M270A1 PECULIAR ITEMS WILL BE COVERED UNDER THE WARRANTY PROVISION OF THIS CONTRACT EXCEPT FOR THE HARRIS LRUs WHICH WOULD BE COVERED UNDER THE EXTENDED LOGISTICS SUPPORT PROVISION OF THIS CONTRACT (CLIN 0004).

A-4 CORRECTION TO MODIFICATION P00053, A-1 NARRATIVE AS FOLLOWS

SUBCLIN: 0016AB CHANGE PRON FROM 7NOLCHH259 TO 7NOLCHP259
SUBCLIN: 1060AC CHANGE PRON FROM 7NOLCHH359 TO 7NOLCHP359.

A-5 THIS MODIFICATION CONSTITUTES COMPLETE, FULL AND FINAL SETTLEMENT OF THE CHANGES CONTAINED HEREIN. THE CONTRACTOR HEREBY RELEASES THE GOVERNMENT FROM ANY AND ALL LIABILITY UNDER THE CONTRACTOR FOR FURTHER EQUITABLE ADJUSTMENTS ATTRIBUTABLE TO SUCH FACTS OR CIRCUMSTANCES GIVING RISE TO THE CHANGES CONTAINED HEREIN.

*** END OF NARRATIVE A 054 ***

Attachment 01 Exh 15
48 PAGES

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT 1. Contract ID Code Firm-Fixed-Price

2. Amendment/Modification No. P00042 3. Effective Date 24 JUL 2002 4. Requisition/Purchase Req No. SEE SCHEDULE 5. Project No. (If applicable)

6. Issued By Code W3194Q 7. Administered By (If other than Item 6) Code 84402A
 US ARMY AVIATION & MISSILE COMMAND
 ANSAM-AC-TM-C
 COLLEEN RODRIGUEZ (256) 876-8840
 REDSTONE ARSENAL AL 35898-5280
 EMAIL: CRODRIG@REDSTONE.ARMY.MIL
 DCA DALLAS
 1200 MAIN STREET
 DALLAS TX 75202-4399
 SCD C PAS NONE ADP PT HQ0339

8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)
 LOCKHEED MARTIN CORP
 MISSILES AND FIRE CONTROL DALLAS
 1701 W MARSHALL DR
 GRAND PRAIRIE TX 75051
 TYPE BUSINESS: Large Business Performing in U.S.
 Code 64059 Facility Code
 9A. Amendment Of Solicitation No.
 9B. Dated (See Item 11)
 10A. Modification Of Contract/Order No.
 DAAH01-00-C-0109
 10B. Dated (See Item 13)
 2000JUN23

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, is not extended.
 Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendments; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting And Appropriation Data (If required)
 NO CHANGE TO OBLIGATION DATA

13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS

KIND MOD CODE: G It Modifies The Contract/Order No. As Described In Item 14.
 The Changes Set Forth In Item 14 Are Made In
 B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).
 C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of: Mutual Agreement
 D. Other (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the Issuing Office.

14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
 SEE SECOND PAGE FOR DESCRIPTION

Contract Expiration Date: 2006NOV30
 Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name And Title Of Signer (Type or print) H.J. Floyd, Financial Manager Fire Support Launch Systems	16A. Name And Title Of Contracting Officer (Type or print) JAMES SNYDER JAMES.SNYDER@REDSTONE.ARMY.MIL (256) 842-6110
15B. Contract/Order No. <i>H.J. Floyd</i> (Signature of person authorized to sign)	15C. Date Signed 7-23-02
16B. United States Of America By <i>James M Snyder</i> (Signature of Contracting Officer)	16C. Date Signed 24 JUL 2002

CONTINUATION SHEET

Reference No. of Document Being Continued

Page 2 of 2

PIIN/SIIN DAAH01-00-C-0109

MOD/AMD P00042

Name of Offeror or Contractor: LOCKHEED MARTIN CORP

SECTION A - SUPPLEMENTAL INFORMATION

A-1 THE GOVERNMENT WILL CONTINUE TO ACCEPT LAIP III LAUNCHERS WITH SUSPECTED FAILURES RELATED TO THE W19 CCA FPGA FUZE SETTING, EMI TESTING COMPONENT ISSUES AND RADSTONE POWER PC2 EXECUTIVE PROCESSOR SOFTWARE LOADING AS STATED IN LETTER NUMBER 3-19210/2002L-5333, DATED 24 JUNE 2002.

A-2 THE ADDITIONAL COSTS ASSOCIATED WITH REWORKING ALL UNITS AS REFLECTED IN ATTACHMENT 001 TO THIS MODIFICATION, REGARDLESS OF LOCATION IS ACCEPTED AS CONSIDERATION FOR THE DELIVERY AUTHORIZATION.

A-3 THE PARTIES FURTHER AGREE THAT THE PRODUCT ASSURANCE BRANCH OF THE PRECISION FIRES ROCKET AND MISSILE SYSTEMS PWO SHALL RECEIVE A PROPOSED RETROFIT/REWORK SCHEDULE BY NO LATER THAN 15 AUGUST 2002, AS WELL AS MONTHLY PROGRESS REPORTS.

A-4 ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED

*** END OF NARRATIVE A 046 ***

**FCPs, LIUs and WIUs Affected
Affected by EMI Testing Problems**

<u>WIU Serial Number</u>	<u>WIU Serial Number</u>	<u>WIU Serial Number</u>	<u>FCP Serial Number</u>
LRIP I & II	580464	580500	540400
580427	580465	580501	540401
580428	580466	580502	540402
580429	580467	580503	540403
580430	580468	580504	540404
580431	580469	580505	540405
580432	580470	580506	540406
580433	580471	580507	540407
580434	580472	580508	540408
580435	580473	580509	540409
580436	580474	580510	540410
580437	580475	580511	540411
580438	580476	580512	540412
580439	580477	580513	540413
580440	LRIP III	580514	540414
580441		580515	540415
580442	580478	580516	540416
580443	580479	580517	540417
580444	580480	580518	540418
580445	580481	580519	540419
580446	580482	580520	540420
580447	580483	FCP Serial	540421
580448	580484	<u>Number</u>	540422
580449	580485		540423
580450	580486	LRIP I & II	540424
580451	580487		540425
580452	580488	540388	540426
580453	580489	540389	540427
580454	580490	540390	540428
580455	580491	540391	540429
580456	580492	540392	540430
580457	580493	540393	540431
580458	580494	540394	540432
580459	580495	540395	540433
580460	580496	540396	540434
580461	580497	540397	540435
580462	580498	540398	540436
580463	580499	540399	540437

**FCPs, LIUs and WIUs Affected
Affected by EMI Testing Problems**

<u>FCP Serial Number</u>	<u>FCP Serial Number</u>	<u>LIU Serial Number</u>	<u>LIU Serial Number</u>
LRIP III	540476	120176	120213
	540477	120177	120214
540438	540478	120179	120215
540439	540479	120180	120216
540440	540480	120181	120217
540441		120182	120218
540442	LIU Serial	120183	120219
540443	<u>Number</u>	120184	120220
540444		120185	120221
540445	LRIP I & II	120186	120222
540446		120187	120223
540447	120147	120188	120224
540448	120148	120189	120225
540449	120149	120190	120226
540450	120151	120191	120227
540451	120152	120192	120228
540452	120153	120193	120229
540453	120154	120194	120230
540454	120155	120195	120231
540455	120156	120196	120232
540456	120157	120197	120234
540457	120158		120235
540458	120159	LRIP III	120236
540459	120160		120237
540460	120161	120198	120238
540461	120162	120199	120239
540462	120163	120200	120240
540463	120164	120201	
540464	120165	120202	
540465	120166	120203	
540466	120167	120204	
540467	120168	120205	
540468	120169	120206	
540469	120170	120207	
540470	120171	120208	
540471	120172	120209	
540472	120173	120210	
540473	120174	120211	
540475	120175	120212	

**Weapon Interface Units (WIUs) Affected
By W19 CCA Field Programmable Gate Array (FPGA) Issue**

<u>WIU Serial Number</u>	<u>WIU Serial Number</u>	<u>WIU Serial Number</u>
LRIP I & II	580464	580500
580427	580465	580501
580428	580466	580502
580429	580467	580503
580430	580468	580504
580431	580469	580505
580432	580470	580506
580433	580471	580507
580434	580472	580508
580435	580473	580509
580436	580474	580510
580437	580475	580511
580438	580476	580512
580439	580477	580513
580440	LRIP III	580514
580441		580515
580442	580478	580516
580443	580479	580517
580444	580480	580518
580445	580481	580519
580446	580482	580520
580447	580483	
580448	580484	
580449	580485	
580450	580486	
580451	580487	
580452	580488	
580453	580489	
580454	580490	
580455	580491	
580456	580492	
580457	580493	
580458	580494	
580459	580495	
580460	580496	
580461	580497	
580462	580498	
580463	580499	

**FCPs, LIUs, WIUs and PNUs Affected
Affected by Suspected PPC2EP Problems**

<u>WIU Serial Number</u>	<u>FCP Serial Number</u>	<u>LIU Serial Number</u>	<u>PNU Serial Number</u>
580429	540387	120150	380299
580438	540438	120198***	380323
580478	540440	120200	380349
580479	540441	120201	380350
580481	540443***	120202***	380351
580482	540447***	120203	380352
580483***	540450***	120204***	380353
580484	540451***	120206***	380354
580485	540453***	120207***	380355
580488	540454	120208	380356
580489	540458	120209***	380357
580490	540459	120211***	380359
580491	540460	120212	380360
580492***	540466	120213***	380361
580493***	540467	120214	380362
580494	540468	120215	380363
580495***	540469	120218	380364
580496	540470	120219***	
580497	540471	120220	
580498	540472	120222***	
580499	540473	120223***	
580500	540474	120224	
580501	540475	120226	
580502	540476	120227	
580503		120228	
580504		120229	
580505***		120230	
580506		120231	
580507***		120232	
580508***		120233	
580509		120234	
580510		120235	
580511***		120236***	
580512			
580513			
580514***			
580515			
580516			
580518			

*** Denotes PPC2EP MAX682 Rework Complete

ATTACHMENT 001
Page 4 of 4

M270A1 LRIP III SAR Hazard Controls Matrix

Log No.	Hazard Title	Pre-Mitigation	After Mitigation	Hardware Control(s)	Software Control(s)	Procedural Control(s)
(see para. 7.1.21)	Tactical Speed (Azimuth and/or Elevation)					
H22 (see para. 7.1.22)	Mechanical Failure of the ADU			Yes	Yes	Yes
H23 (see para. 7.1.23)	Azimuth Brakes Failure			Yes	Yes	-
H24 (see para. 7.1.24)	Mechanical Failure of the Output Shaft of the Elevation Transmission			Yes	-	-
H25 (see para. 7.1.25)	Mechanical Failure of the Angle Drive at the Input Interface			Yes	-	-
H26 (see para. 7.1.26)	Failure of the LIU to Control the Azimuth Motor			-	Yes	-
H27 (see para. 7.1.27)	Operator Entanglement in the LDS System			-	Yes	Yes
H28 (see para. 7.1.28)	Leakage or Spraying of Hot Hydraulic Fluid	IIC		Yes	-	Yes
H29 (see para. 7.1.29)	Shaft Resolver Position Data Corrupted	IIC		-	Yes	-
H30 (see para. 7.1.30)	Turns Count Problems			Yes	Yes	-
H31 (see para. 7.1.31)	Movement into Damage Zone	IIC		Yes	Yes	-
H32 (see para. 7.1.32)	Uncommanded Cage Motion		ID	Yes	Yes	Yes

M270A1 LRIP III SAR Hazard Controls Matrix

Log No.	Hazard Title	Pre-Mitigation	After Mitigation	Hardware Control(s)	Software Control(s)	Procedural Control(s)
(see para. 7.1.21)	Tactical Speed (Azimuth and/or Elevation)					
H22 (see para. 7.1.22)	Mechanical Failure of the ADU			Yes	Yes	Yes
H23 (see para. 7.1.23)	Azimuth Brake Failure			Yes	Yes	-
H24 (see para. 7.1.24)	Mechanical Failure of the Output Shaft of the Elevation Transmission			Yes	-	-
H25 (see para. 7.1.25)	Mechanical Failure of the Angle Drive at the Input Interface			Yes	-	-
H26 (see para. 7.1.26)	Failure of the LIU to Control the Azimuth Motor			-	Yes	-
H27 (see para. 7.1.27)	Operator Entanglement in the LDS System			-	Yes	Yes
H28 (see para. 7.1.28)	Leakage or Spraying of Hot Hydraulic Fluid	IIC		Yes	-	Yes
H29 (see para. 7.1.29)	Shaft Resolver Position Data Corrupted	IIC		-	Yes	-
H30 (see para. 7.1.30)	Turns Count Problems			Yes	Yes	-
H31 (see para. 7.1.31)	Movement into Damage Zone	IIC		Yes	Yes	-
H32 (see para. 7.1.32)	Uncommanded Cage Motion		ID	Yes	Yes	Yes

AMSAM-AC-TM-C

8 July 2004

MEMORANDUM FOR RECORD

SUBJECT: Retrofit Clarification Meeting with Tony Vollers,
Legal Assistant

1. On 8 July 2004, Tony Vollers, David Salinas, Clarence Daniels and Bobbie Jordan met to discuss the issues surrounding non-conforming M270A1 launchers awarded under contract DAAH01-98-C-0138 and DAAH01-00-C-0109. The discussion also included the acquisition of 23 each IWIU's awarded by modification P00099 under DAAH01-00-C-0109 (Lockheed Martin) and efforts under proposed letter contract W31P4Q-04-C-0144 (Harris Corp.) for 15 each IWIU's.
2. After all parties reviewed the complaint package Tony Vollers voiced the following concerns:
 - a. There appears to be a duplication of effort between the two contracts - modification P00099 under DAAH01-00-C-0109 awarded to Lockheed Martin and letter contract W31P4Q-04-C-0144 to be awarded to Harris Corp.
 - b. Mr. Vollers stated that he would like to take a look at the two efforts to ensure we are not obtaining a duplication of effort.
 - c. Mr. Vollers would also like to meet with George Handley to find out why we do not have copies of the reports that identify whether or not Lockheed Martin met the requirements outlined in the contract to repair defects at no cost to the government.
3. All other actions would be tabled until Mr. Vollers can perform his review.

/s/

BOBBIE TERRY JORDAN
Multiple Launch Rocket
System Division

Attachment 03

[REDACTED]

From: [REDACTED]
 Sent: Friday, October 04, 2002 9:57 AM
 To: [REDACTED]
 Cc: [REDACTED]
 Subject: RE: M270A1 System FCA Action Item #573

To All,

Since it is my belief that the M270A1 Launcher does not meet the critical Safety Performance Requirements addressed by this FCA Action Item, particularly in the area of Launcher control, single-point failures, and associated personnel safety without strict reliance on procedures (in violation of the requirements of Mil-Std-882 and Lockheed Martin Safety program policy, in addition to the Performance Requirements), and, since AMCOM contracts is still currently investigating this issue and could possibly negotiate aspects of it with Lockheed Martin based on the Govt Safety Risk Reduction Effort (SRRE) completed earlier this year, I am unable and unwilling to further comment on or approve anything safety related to the M270A1 Launcher in good conscience. Although I have no doubt that Mr. Stahlnecker answered the Action Item to the best of his ability given what he inherited, it does not resolve the main issue of non-compliance with the above mentioned requirements. In addition, I ask that in the future, all safety related documentation/action item issues related to the M270A1 Launcher be sent through the appropriate PFRMS Project Office personnel and contracts/legal representatives for disposition.

[REDACTED]
 AMCOM Safety

-----Original Message-----

From: [REDACTED]@lmco.com
 Sent: Thursday, October 03, 2002 6:36 PM
 To: [REDACTED] (E-mail); [REDACTED] (E-mail)
 Cc: [REDACTED]
 Subject: M270A1 System FCA Action Item #573

Attached is the response to M270A1 System FCA Action Item #573 for review and approval. Please sign and return by fax or email.

<<AI_573.pdf>>

Thank you,

[REDACTED]
 Configuration/Data Management Manager
 Lockheed Martin Missile and Fire Control - Dallas
 P.O. Box 650003, M/S: MC-20
 Dallas, TX 75265-0003
 Phone: (972) 603-1131
 Fax: (972) 603-9621

cheryl.wilson@lmco.com

M270A1-MLRS PROGRAM ACTION ITEM

ACTION TO BE COMPLETED BY: _____

LMMFC-D

AI CONTROL NO.: 573

MEETING: M270A1 System FCA

DATE: March 5, 2002

ACTION ITEM TITLE: General Requirements - Safety

REQUESTER: _____

DATE: March 5, 2002

RESPONDENT: _____

DATE DUE: September 20, 2002

ACKNOWLEDGEMENT (SIGN): _____

DATE: _____

LMMFC-D/CM: _____

ACTION ITEM DESCRIPTION: MIS-PRF-35500 Rev B - Para 3.2.10.1 & 3.2.10.2

Determine if the requirements are to be met by procedural steps or design mitigations

RESPONSE:

Attached is a matrix of the hazards, their assessed risk, and if the hazard is controlled by hardware, software, and/or procedural control(s). The only identified hazard controlled solely by procedures is the "FCP Elevated Temperature" which is denoted with orange highlight in the attachment. The IFCS SAR that was drafted stated that "Since this document was last published it has been determined by the MLRS Project Office that this hazard is not significant and no precautions, such as labels, are warranted. Therefore, this hazard (H-13) is closed."

In addition, hazard ID H21 is controlled both by software and procedures. This hazard deals with equipment damage and does not address personnel injury. Personnel injury is covered under hazard IDs H27 and H32 that included procedural controls associated with boom controller, exclusion zone, jury struts, turning off the engine, etc. The procedural controls associated with the boom controller and exclusion zone should be listed with hazard ID H21.

RESPONDENT SIGNATURE: _____

DATE: _____

REQUESTER SIGNATURE: _____

DATE: _____

LMMFC-D/CM: _____

Daniels, Clarence N CIV USA AMC

From: [REDACTED] ACQ
Sent: Tuesday, May 27, 2003 11:08 AM
To: Daniels, Clarence N ACQ
Subject: FW: Meeting
Attachments: Safety1 22May03.ppt

Importance: High

Clarence for your information, I am not sure when the Govt only briefing is.
David

-----Original Message-----

From: [REDACTED] MAJ ACQ
Sent: Tuesday, May 27, 2003 11:01 AM
To: [REDACTED] (TactMSL)
Cc: [REDACTED] ACQ
Subject: RE: Meeting
Importance: High

Sir,

Per Mr. Snyder's request I've enclosed the briefing charts on Safety issues. This briefing just outlines some of the issues on Safety/FCP. It is a hip pocket briefing that may be used to brief Ms. Cruze, if necessary. This is an internal briefing that should not be shared outside the government.

V/R

[REDACTED]
 [REDACTED]
 MAJ, USA
 Deputy, MLRS Division
 AMSAM-AC-TM-C
 COM: 256-876-4588
 DSN: 746-4588
 FAX: 256-955-8478
 [REDACTED]@redstone.army.mil

-----Original Message-----

From: [REDACTED]@msl.army.mil]
Sent: Friday, May 23, 2003 3:50 PM
To: [REDACTED]@redstone.army.mil
Subject: RE: Meeting

[REDACTED]..please send me a copy of the briefing that Jim mentioned as a read-ahead.

>>> [REDACTED] ACQ" [REDACTED]@redstone.army.mil> 05/23/03
03:25PM >>>

[REDACTED] has a briefing you may want to hear before off site. I will be
back 2
June. Need to plan a government only meeting before meeting with LM.
Jim S

-----Original Message-----

From: [REDACTED]
Sent: Thursday, May 22, 2003 11:35 AM
To: [REDACTED].army.mil
Cc: [REDACTED].army.mil
Subject: Re: Meeting

Today is bad for me...have been in meetings all morning with the
Change
of Management this afternoon. [REDACTED]

>>> [REDACTED] ACQ" [REDACTED]@redstone.army.mil> 05/21/03
06:51PM >>>

Can you find time to come over here tomorrow to talk about safety? I
will be
here all day except for a catered lunch at the Rustic Lodge between
1100-1300.
I am gone next week and Deisy is gone Friday. Thanks, [REDACTED]
2-6110



*US Army Aviation & Missile Command
Acquisition Center*



**M270A1
LAUNCHERS**

**CONTRACT
DAAH01-00-C-0109
DAAH01-98-C-0138**

22 May 2003



US Army Aviation & Missile Command Acquisition Center



AGENDA

- **ISSUES**
- **SAFETY**
- **Low Cost Fire Control Panel (LCFCP)**
- **ACQUISITION POSITION**
- **SAFETY POSITION**
- **PMO POSITION**
- **LAUNCHER DELIVERY SCHEDULE**
- **CONCLUSIONS**



*US Army Aviation & Missile Command
Acquisition Center*



ISSUES

- **SAFETY**

- specification non-compliance per the terms and conditions of the contract

- **Low Cost Fire Control Panel (LCFCP)**

- LRIP IV



US Army Aviation & Missile Command Acquisition Center



SAFETY FACTS

- **3 Apr 2002 PM Meeting:**

- Contracting Officer becomes aware that the program office obtained an independent safety report to address safety concerns.
- Lockheed did not conduct a Safety Risk Reduction Effort or obtain an approved Safety Assessment Report.
- PCO started to seek consideration for the effort above Safety Risk Reduction Effort (SRRE) not performed by LM

- **Nov 2002 Meeting w/Legal:**

- Project Office must provide one position to the PCO



*US Army Aviation & Missile Command
Acquisition Center*



**SAFETY FACTS
(Cont.)**

- **22 Nov 2002 PMO Office e-mail: (Exhibit 1)**
 - Meets performance requirements of the specification (MIS-PRF-35500) but does not meet terms of the contract (Safety Program) and consideration is warranted.
- **15 Jan 2003 PMO Office e-mail: (Exhibit 2)**
 - SAR is not approved (PFRMS disapproval letter dated 24 Jan 2002) (Exhibit 3), does not allow closure of FCA action item #573 (SAR) to the satisfaction of the contract.



*US Army Aviation & Missile Command
Acquisition Center*



**SAFETY FACTS
(Cont.)**

- **21 Jan 2003 PCO Letter to LM, Request Corrective Action prior to Acceptance of Launchers: (Exhibit 4)**
 - Memo date revised to 12 Feb 2003
 - The SAR is disapproved.

- **25 Feb 2003 Memo from PMO to LM, Contract Data Item Disapproved: (Exhibit 5)**
 - LRIP III Final Safety Assessment Report (re-submittal) and data item (SAR)
 - above memo supersedes letter dated 6 Apr 2002 (Exhibit 6), which approved the SAR in error
 - 24 Jan 2002 PMO letter disapproved the SAR



*US Army Aviation & Missile Command
Acquisition Center*



**SAFETY FACTS
(Cont.)**

• **13 Mar 2003 Safety Memo: (Exhibit 7)**

Material Release:

- PMO used the Army Safety Risk Management process to gain acceptance of residual hazards
- agreed to a Get-Well Plan to correct safety deficiencies
- Safety Office concurred with the above approach and with the conditional release of the M270A1 launchers



*US Army Aviation & Missile Command
Acquisition Center*



**SAFETY FACTS
(Cont.)**

Compliance with the Safety requirements in the
Specifications:

- The SRRE identified several single point failures that could result in critical hazards (not addressed in the ILMS SAR)
- Safety Office position is that the M270A1 does not comply with the requirements of Paragraph 3.2.10.2 of MIL-PRF-35500
- The above issue needs to be corrected through the proper contractual avenues.



*US Army Aviation & Missile Command
Acquisition Center*



**SAFETY FACTS
(Cont.)**

- **18 Mar 2003 Project Manager Memo: (Exhibit 8)**
 - Request to extend delivery of launchers to 23 Apr 2003.
 - PCO advised the ACO to attach the above memo to the DD250's.
- **20 Mar 2003 PCO Memo to LM: (Exhibit 9)**
 - Certify and validate they were in compliance with the terms and conditions of the contract.
- **4 Apr 2003 LM responds to the PCO Memo: (Exhibit 10)**
 - 3 boxes of information.



*US Army Aviation & Missile Command
Acquisition Center*



**SAFETY FACTS
(Cont.)**

- **11 Apr 2003 PCO Letter to DCMC: (Exhibit 11)**
 - Ensure launchers meet terms and conditions of the contract before acceptance.
- **23 Apr 2003 ACO Memo to LM: (Exhibit 12)**
 - Reject supplies or services not conforming in all respects to contract requirement.
- **Currently:**
 - Awaiting Project Office response with the Safety's Office Input



US Army Aviation & Missile Command Acquisition Center



LCFCP FACTS

- **LRIP IV (LCFCP):**

- 24 Apr 2003 QAR E-mail (**Exhibit 13**)
 - Does not conform to the contract, primary defects appear to be related to the GDU
 - Complicating factors, potential software problems between Version G and Version F (tactical)
 - Problems with 5 Launchers in Korea
 - High failure rate



*US Army Aviation & Missile Command
Acquisition Center*



ACQUISITION OFFICE POSITION

SAFETY:

- The Safety Office must provide their position to the Project Office.
- The Project Office must provide a consolidated position to the PCO.

LRIP IV (LCFCP):

- PMO Position



*US Army Aviation & Missile Command
Acquisition Center*



SAFETY OFFICE POSITION

- **REF: 13 Mar 03 Memo (2 Positions):**
 - Material Release
 - Compliance with the Safety requirements in the Specifications



US Army Aviation & Missile Command Acquisition Center



PMO POSITION

- 29 Apr 03 Telecom: (Acquisition Center and PM Office)
 - (1) System Safety Risk Assessment (SSRA)
 - Is the system Safe? Yes, with strict reliance on procedures.
 - Program Office will generate SSRA to be signed by all levels of authority.
 - (2) Close-out FCA
 - Is the hardware in compliance with the specifications of the contract? No
 - De-scope and request consideration from LM.
 - **PM to work language for conditional acceptance.



*US Army Aviation & Missile Command
Acquisition Center*



LAUNCHER DELIVERY SCHEDULE

LRIP	QTY	DELIVERED	UNDELIVERED
LRIP I and II	45	45	0
LRIP III (Harris-LCFCP)	39	39	0
LRIP IV (EFW-LCFCP)	66	20	46
LRIP V	35	0	35
FSP	35	0	0



US Army Aviation & Missile Command Acquisition Center



CONCLUSIONS

- Consideration (Waiver)
- Requirements Change (De-scope of performance specifications-SSRA-Equipment must match the contract)
- Close FCA/SAR
- Re-look Conditional Release
- Resolve LCFCP
- Re-coup IES Software expenses that should have been absorbed under the FFP line for M270A1



DEFENSE CONTRACT MANAGEMENT AGENCY
DEFENSE CONTRACT MANAGEMENT AGENCY LOCKHEED MARTIN DALLAS
P.O. BOX 650003 M/S PT-03
DALLAS, TEXAS 75265-0003

IN REPLY

REFER TO DCMDW-GBVA (972 603-2555)

April 23, 2003

Lockheed Martin Missiles and Fire Control – Dallas
Mr. Bill Kennedy
P. O. Box 650003
Dallas, TX 75265-0003

Dear Mr. Kennedy:

Reference your letter 3-19210/2003L-5210 dated April 17, 2003.

Please find below the reasons that DCMA believes the launcher does not meet all terms of the contract:

a. On January 21, 2003 and restated on February 12, 2003, the PCO wrote a letter to LM that states "it is my determination that Lockheed Martin Corporation is in non-compliance with the terms of this contract".

b. On April 11, 2003, the PCO wrote a letter to the ACO reminding us not to accept launchers if they do not meet all terms of the contract.

Based on the determinations above, our responsibilities per FAR 46.407 are "reject supplies or services not conforming in all respects to contract requirements".

/s/

DEBORAH L. WILLIAMS
Administrative Contracting Officer
DCMA Lockheed Martin Dallas

cc:

Ms. Colleen Rodriguez, AMSAM-AC-TM-C, Redstone Arsenal, AL
Mr. James Snyder, AMSAM-AC-TM-C, Redstone Arsenal, AL
Mr. Allen Pratte, SFAE-MSL-PF-BM-AP, Redstone Arsenal, AL.

Randy I APPROVE, *with signature*

18 JAN 200

To: [REDACTED]

The following written instructions are required to Randy Sanders, DCMA, Camden and to Don Shipp, LMMFC - D to ship launchers 99, 125 and 343 to USAFAS, Fort Sill, OK and OMMCS, RSA, AL per direction from LTC Myrick, PM, MLRS by 22 January 2001.

Randy Sanders:

DCMA, Camden is authorized to approve shipment of M270A1 launchers 4AA0099, 4AA0125 and 4AA0343 to USAFAS, Fort Sill, OK and OMMCS, Redstone Arsenal, AL for the period 22 January 2001 through 30 June 2001 for use by school cadre. Shipment will be made via GBL by LMMFC - D with the following discrepancies and remediations:

Launchers will ship with:

Version 4.37 Fire Control System software that will be retrofit by LMMFC - D with OT release software by 30 June 2001.

Interim Configuration Boom Controllers, PN 13031127, retrofit to interim configuration by Engineering Release Q4787.1 (Draft) to incorporate an Emergency Disable Switch. Interim Boom Controllers will be replaced by LMMFC - D with production design change Boom Controllers by 30 June 2001.

Azimuth Hydraulic Motors, PN 13213557, that will be replaced with reworked motors with a new shoe bearing plate by LMMFC - D by 31 May 2001

LMMFC agrees to correct discrepancies and remediations noted above at no additional cost to the Government

D. R. Shipp, LMMFC - D:

LMMFC - D, Camden is directed to initiate Government Bills of Lading to ship M270A1 launchers 4AA0099, 4AA0125 and 4AA0343 to USAFAS, Fort Sill, OK and OMMCS, Redstone Arsenal, AL by 22 January 2001. Shipping addresses for Launchers is:

Launchers 4AA0099 and 4AA0343:

SFC James L. Yahraes
USAFAS, Building 812, Critz Hall
ATTN: SFC Yahraes, (580) 442-4330/5151
Fort Sill, Oklahoma 73503

DODAC: W44DVM

Launcher 4AA0125:

Commander
USAOMMCS, MSTD, MLRS Training Div
ATTN: Billy Blount, Bldg. 3306, (256) 876-7746
Redstone Arsenal, Alabama 35897-6720

DODAAC: W31P36

Memo From Don Shipp to [REDACTED]
Agreed per conversation with Bob Neighbors at 11:00 AM Today.

[REDACTED]

M270A1 Launcher Acceleration
Nineteen (19) Launchers for Deployment to Ft. Sill by 30 October 2002
8 October 2002

1. Launchers Available

<u>C-6/37</u>	<u>HIMARS</u>	<u>Previous Deliveries</u>	<u>To Be Delivered</u>
219	094	448	277 EDD 16 Oct
449	284	312	278 EDD 16 Oct
450	286	314	
455	294	217	
456	303	458	
471		734	
		341	
(6)	(5)	(7)	(2) = (20)

2. Contract change order modification required:

a. The contractor is authorized to deliver last seven (7) LRIP 3 launchers using slaved FCS hardware. FCS hardware is to be removed following DD 250. LMMFC is authorized to invoice in full for launchers delivered with slaved hardware.

b. The contractor is authorized to:

(1). Expend and collect necessary cost to expedite deliveries, expedite shipment of ASL components, form and send a team to DDRT to work off launcher discrepancies.

(2). Expend and collect all costs over and above normal production to install and remove slave hardware before and after PUT, final function and DD 250.

(3). Divert ASL components designated for 1-21 FA at Ft. Hood to designated deploying unit.

(4). Expend and collect costs for a team to install FCS components on five (5) M270A1 launchers without FCS at DDRT and test each launcher for FCS functionality.

(5). Mismatch turrets on launcher 4AA00278 and 4AA00346 (substitute turret off launcher 346 and use on 278) or the Government will provide a replacement turret. The contractor is authorized to expend and collect costs for turret replacement on launcher 4AA00278.

(6). Use ASL assets, other spare assets and LRIP 3 and/or 4 production hardware, to deliver remaining LRIP 3 launchers.

(7). Use ASL assets, other spare assets and/or LRIP 4 production hardware, to support any failures of hydraulic hardware on five (5) launchers at DDRT with FCS components previously removed for the HIMARS program.

Other non-contractual concessions:

- a. DDRT to expedite launcher inspection and providing LMMFC the DA Form 607s or 2404s on LLM discrepancies ASAP.
- b. Call off or delay the audit of actuals currently in process in Camden
- c. Delay the scheduled PAR audit in Camden to the first calendar quarter of 2003.
- d. Batteries in all HIMARS FCS strip launchers to be replaced by DDRT in coordination with FCS replacement to allow.
- e. Daily coordination phone call (PFRMS, DDRT, RRAD, LMMFC) to ensure all actions are coordinated led by PFRMS Team Leader (Terrie Bramlett).

Concerns:

- a. Condition of five (5) launchers at DDRT without FCS.
- b. Risks to software development and support developmental program live fire activities at WSMR.
- c. Condition of hydraulic components on five (5) launchers at DDRT without FCS. Impact of failures on production hardware.



DEPARTMENT OF THE ARMY
UNITED STATES ARMY AVIATION AND MISSILE COMMAND
5300 MARTIN ROAD
REDSTONE ARSENAL, ALABAMA 35898-5000

REPLY TO
ATTENTION OF

AMSAM-AC-TM-C

MLRS Acquisition Division

15 October 2002

SUBJECT: Contract DAAH01-00-C-0109, M270A1 LRIP III Launcher Acceleration

Mr. W. F. Kennedy
Lockheed Martin Missiles and Fire Control-Dallas
Post Office Box 65003
Dallas, Texas 75265-0003

Dear Mr. Kennedy:


Lockheed Martin Missile and Fire Control - Dallas' request for Government approval to accelerate delivery of the last five (5) upgraded LRIP III M270A1 launchers utilizing slaved hardware, which is defined as the process of using the same set of Fire Control System (FCS) hardware i.e.; FCP, LIU, WIU, PSU and PNU; to test and sell-off up to five (5) M270A1 launchers, with the FCS hardware being removed following signing of the DD-250 and used on the next launcher to be tested and sold allowing LMMFC-D to invoice in full is authorized.

However, the approval to deliver is contingent upon the parties agreeing to the following:

- FCS hardware to be removed following DD-250;
- Contractor is authorized to expend and collect all cost over and above normal production, i.e. to install and remove slave hardware before and after PUT, final function, DD-250 and protection/preservation prior to Care of Supplies in Storage (COSIS). Specific tasks associated with protection/preservation will be provided to the contractor not later than 31 October 2002;
- Warranties to remain until hand-off if agreed upon COSIS procedures are followed.

If you have any further comments or questions on this matter you may contact the undersigned at telephone (256) 876-8840.

Sincerely,


Contracting Officer

Exh 21

10/10/2002 10:58 FAX 703 692 5220

HQDA ARMY.GS DAPR-FDS

001



DEPARTMENT OF THE ARMY
OFFICE OF THE DEPUTY CHIEF OF STAFF, G-3
400 ARMY PENTAGON
WASHINGTON, DC 20310-0400

REPLY TO
ATTENTION OF

DAMO-SSW

7 October 2002

MEMORANDUM FOR Commander, U. S. Army FORSCOM, ATTN: AFOP-PLF,
1777 Hardee Avenue SW, Fort McPherson, GA 30330-1062

SUBJECT: Out of DAMPL Fielding Request for M270A1

1. Reference message from Commander, FORSCOM, 2 October 2002 subject as above.
2. I approve your request for immediate fielding of 19 M270A1s Multiple Launch Rocket Systems to the 2 - 4 FA (MLRS). This equipment will improve the unit's ability to accomplish its critical mission.
3. The point of contact for this action is LTC Clarence Hilton, DSN: 222-6839 or 703-692-6839.

David H. Huntoon
DAVID H. HUNTOON
Major General, GS
Director of Strategy,
Plans and Policy

21001821

[REDACTED]
From: Daniels, Clarence N CIV USA AMC
Thursday, July 09, 2009 6:14 PM
CIV USA
Cc: [REDACTED] Barna, Stephanie A SES CIV USA OGC; [REDACTED]

Subject: RE: INTERVIEW RE: OSC Case File DI-00-1499 (\$100M+) and DI-09-0045 (\$84M+).
(UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]
DA investigation/interview of significant government and contractor first-hand witnesses, current events, and relevant parts of my supplemental allegations to DI-00-1499 beginning on 30 Sep 05 (DI-09-0045, \$84M+) as submitted to the OSC were not included as part of the questioned DA,ROIs as presented.

These significant supplemental allegations and a heretofore myriad of DA,ROI false statements and findings together with their inexcusable omissions of relevant material facts, are none the less inseparable from any rudimental investigation of DI-00-1499 and must be reasonably addressed by the DA and also made a part of the permanent sworn record.

Notwithstanding the conduct of the subject scheduled interview, it must be understood that I will not consider any sworn interview or statements to be conclusive concerning the questioned DA,ROIs until all the allegations contained in both OSC Case File DI-00-1499 (\$100M+) and DI-09-0045 (\$84M+) have been reasonably addressed by the DA.

Call me if you have any additional questions during the interim.

Best regards,

/S/

Clarence N. Daniels
Contract Specialist
256 876-8980

-----Original Message-----

From: [REDACTED] J CIV USA
Sent: Thursday, July 09, 2009 2:38 PM
To: Daniels, Clarence N CIV USA AMC
Cc: [REDACTED]

Subject: INTERVIEW RE: OSC Case File DI-00-1499 (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Mr. Daniels,

I have scheduled the interview to begin on Tuesday, 14 July, at 0900 (9:00 a.m. CST). I've made arrangements for the interview to be conducted from Tuesday through Thursday, if need be. The interview will be held in the 4th floor Legal Office Conference Room of Bldg. 5300, Rm.# 5493. Present for the interview will be Mr. [REDACTED] from the AMC Office of Command Counsel as well as a local court reporter from the Huntsville area. My understanding is that OSC expects our interview to be taken under oath and that a verbatim transcript be prepared. The reporter will prepare a transcript of the sworn interview. I expect the transcription to be completed a few days after the completion of the actual interview. As soon as the interview is transcribed, I will furnish you a copy.

I look forward to seeing you then. If you have any questions, please feel free to contact me.

[REDACTED]
Special Assistant to the Command Counsel 703-806-8700

-----Original Message-----

From: Daniels, Clarence N CIV USA AMC
Sent: Thursday, July 02, 2009 10:51 AM

[REDACTED]

Subject: RE: DA INTERVIEW RE: DA, ROIs, of \$184M+ collusive contract billing fraud, OSC Case Files DI-00-1499 and DI-09-0045. (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

[REDACTED]

Thank you, I look forward to meeting and talking with you.

Clarence N. Daniels
Contract Specialist
256 876-8980

-----Original Message-----

From: [REDACTED] J USA
Sent: Thursday, July 02, 2009 5:15 AM
To: Daniels, Clarence N CIV USA AMC
Cc: [REDACTED]
Subject: RE: DA INTERVIEW RE: DA, ROIs, of \$184M+ collusive contract billing fraud, OSC Case Files DI-00-1499 and DI-09-0045. (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Mr. Daniels,

Thank you for the confirmation. Let's plan to begin at 0900 on Tuesday morning, 14 July. I will arrange for a conference room and court reporter at RSA, most likely in the Sparkman

building. As soon as I have those details I will provide them to you. If you have any questions, please feel free to contact me.

[REDACTED]
cial Assistant to the Command Counsel 703-806-8700

-----Original Message-----

From: Daniels, Clarence N CIV USA AMC
Sent: Wednesday, July 01, 2009 4:38 PM

[REDACTED]

Subject: DA INTERVIEW RE: DA, ROIs, of \$184M+ collusive contract billing fraud, OSC Case Files DI-00-1499 and DI-09-0045. (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]

I will be available to meet with you concerning the timeliness, veracity, and authenticity of the subject Department of the Army required Reports of Investigations of allegations contained in my extensive 8 year OSC case files, as appropriate, beginning on the 14th thru 17th of July 2009 here at RSA.

Call me if you have any questions during the interim.

Thank you,
Clarence N. Daniels
Contract Specialist
256-876-8980

-----Original Message-----

From: Daniels, Clarence N CIV USA AMC
Sent: Tuesday, June 30, 2009 11:27 AM

[REDACTED]

Subject: RE: INTERVIEW RE: OSC Case File DI-00-1499 and DI-09-0045. (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

[REDACTED]

will advise you as to my availability during the week of 13 July 09 at RSA, ASAP. I am also extremely concerned about the required Department of Army (DA), Report of Investigations or the lack thereof of the DA investigation of additional longtime multi-million dollar

contract cost billing fraud allegations contained in OSC case file no. DI-09-0045 along with alleged conflict of interest/post employment violations committed between Lockheed Martin's corporate legal office and former government employees Mr. James Comey (Department of Justice), and Mr. Jim Byrne (Office of Special Counsel).

grave concerns revolve around the alleged DOJ declination of investigation/prosecution of longtime multi-million dollar contract cost billing fraud allegations contained in said OSC case files and the timing of the recruitment/hiring of both Mr. Comey and Mr. Byrne by Lockheed Martin corporate legal during the timeframes in question.

These additional allegations were submitted to the OSC concurrently and in conjunction with those of DI-00-1499 over the preceding 8 years.

Call me if you have any questions during the interim.

Thank you,
Clarence N. Daniels
Contract Specialist
256 876-8980

-----Original Message-----

From: [REDACTED] J USA
Sent: Tuesday, June 30, 2009 9:45 AM
To: Daniels, Clarence N CIV USA AMC
Cc: [REDACTED] J USA
Subject: INTERVIEW RE: OSC Case File DI-00-1499 (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Mr. Daniels,

Per our phonecon this morning, please advise me as to your availability for the week of 13 July 09 at RSA. I understand from our conversation that you may be TDY that week. If you could confirm your availability as soon as possible, I would appreciate it. If unavailable the week of 13 July, please advise as to your availability the following week, 20 July. Thank you for your cooperation in this matter.

[REDACTED]
Special Assistant to the Command Counsel

703-806-8700

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE