ENGI		ANGE PI	ROPOSAL (AGE 1	GE 1 1. DATE (YYYYMMDD)					Form Approved OMB No. 0704-0188					
The public reporting burden for existing data sources, gather burden estimate or any other Headquarters Services, Direc Respondents should be awar	ing and maintaining th or aspect of this collectorate for Information C e that notwithstanding	the collect reducing the reducing the reduci	tion of info he burden, is Highway	ormation. to Depar Suite 120	Send co tment of 04, Arling	mments regarding this Defense, Washington ton, VA 22202-4302.	4	ROCUR	NO.						
information if it does not displa PLEASE <u>DO</u> <u>NOT</u> RETUR CONTRACTING OFFICER FO	Ń YOUR ĆOMPLETE	D FORM TO	D THIS ADDRESS	S. RETURN LISTED IN IT	COMPLE	ETED FOR	RM ТО Т 1.	HE GO	VERNMENT ISSUING	3. D	ODAAC				
4. ORIGINATOR a. TYPED NAME (First, M	Aiddle Initial	ip Code)			5. C	LASS OF ECP	-								
Last)					6. J	UST. CODE	7. P	7. PRIORITY							
8. ECP DESIGNATIO	N							9. B	ASELINE AFFEC	TED					
a. MODEL/TYPE	b. CAGE CODE	c. SYS	TEM DESIGNAT	TION							PRODU	СТ			
d. ECP NO.				e. TY	ΈE	f. REV		10. C	ALLOCATED	IFIG. I	-	FFEC	TED		
						40.00			YES		NO				
11. SPECIFICATIONS	CAGE Code	Specifica	tion/Document No	o. Rev.	SCN			5 AFI	FECTED Number			Rev.	NOR		
a. SYSTEM	CALCE COUC	opooliida			0011	0/102			Humbor			1.01.	Non		
b. DEVELOPMENT															
c. PRODUCT															
13. TITLE OF CHANC	GE														
				45											
14. CONTRACT NO.						t, Middle			OFFICER						
				a. NA b. CO		i, miuule i	iriiliai, La	51)	c TELEPHONE N	TELEPHONE NO.					
16. CONFIGURATION	N ITEM NOMENC	LATURE			17. IN PRO										
18. ALL LOWER LEV	FL ITEMS AFEE	CTED									YES		NO		
a. NOMENCLATURE					b. PAR	ΓNO.			c. NSN						
19. DESCRIPTION O	E CHANGE														
20. NEED FOR CHAN															
20. NEED FOR CHAP	NGE														
21. PRODUCTION EF	FECTIVITY BY S	SERIAL NU	JMBER		22. EFFECT ON PRODUCTION DELIVERY SCHEDULE										
23. RETROFIT															
a. RECOMMENDED ITE	M EFFECTIVITY				b. SHIP/VEHICLE CLASS AFFECTED										
c. ESTIMATED KIT DELI	VERY SCHEDULE				d. LOCATIONS OR SHIP/VEHICLE NUMBERS AFFECTED										
24. ESTIMATED COS	STS/SAVINGS UN	IDER CON	ITRACT		25. ESTIMATED NET TOTAL COSTS/SAVINGS										
26. SUBMITTING AC	ΤΙVITY				b. TITLE										
a. AUTHORIZED SIGNA	TURE														
27. APPROVAL/DISA	PPROVAL														
a. CLASS I	DISAPPROV	/AL	LASS II APPROVED	DISAF	PROVED		CONCUR I				CONCUR		SSI-		
d. GOVERNMENT ACTIV				e. SIGNA							D)				
g. APPROVAL	h. GOVERNMEN			i. SIGNAT					:		NED (YYY		וחו		
g. APPROVAL APPROVED	II. GOVERINIVIEN			I. SIGINAI	UNE				J. DAT	L 3161			יט		
DISAPPROVED															

ENGINEERING CHANGE PROPOSAL (ECP),	Form Approved				
		OMB No. 0704-0188			
The public reporting burden for this collection of information is estimated to average 2 hours per respons maintaining the data needed, and completing and reviewing the collection of information. Send comment suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Dir Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other pro information if it does not display a currently valid OMB control number. PLEASE <u>DO NOT</u> RETURN YOUR COMPLETED FORM TO THIS ADDRESS. RETURN		her aspect of this collection of information, including eports (0704-0188), 1215 Jefferson Davis Highway, any penalty for failing to comply with a collection of			
GOVERNMENT ISSUING CONTRACTING OFFICE FOR THE CONTRACT/PROCURING ITEM 2 OF THE COMPLETED DD FORM 1692.	G ACTIVITY NUMBER LISTED IN	ECP NUMBER			
EFFECTS ON FUNCTIONAL/ALLOCATED C	CONFIGURATION DOCUMENT	ATION			
28. OTHER SYSTEM AFFECTED 29	9. OTHER CONTRACTORS/ACTIVI	TIES AFFECTED			
30. CONFIGURATION ITEMS AFFECTED					
31. EFFECTS ON PERFORMANCE ALLOCATIONS AND INTERFACES IN SYSTEM SP	ECIFICATION				
32. EFFECTS ON EMPLOYMENT, INTEGRATED LOGISTICS SUPPORT, TRAINING, O	DEPATIONAL EFFECTIVENESS O	PSOETWARE			
32. EFFECTS ON EMPLOTMENT, INTEGRATED LOGISTICS SUFFORT, TRAINING, O	FERATIONAL EFFECTIVENESS O	N SOFTWARE			
33. EFFECTS ON CONFIGURATION ITEM SPECIFICATIONS					
34. DEVELOPMENTAL REQUIREMENTS AND STATUS					
34. DEVELOPMENTAL REQUIREMENTS AND STATUS					
35. TRADE-OFFS AND ALTERNATIVE SOLUTIONS					
36. DATE BY WHICH CONTRACTUAL AUTHORITY IS NEEDED (YYYYMMDD)					

	ENGINEERING CHANGE PF), PA	GE 3	Form Approved OMB No. 0704-0188											
PLEA GOVE	blic reporting burden for this collection of information is estimated ining the data needed, and completing and reviewing the collection stions for reducing the burden, to Department of Defense, Washing 204, Arlington, VA 22202-4302. Respondents should be aware th ation if it does not display a currently valid OMB control number. SE <u>DO NOT</u> RETURN YOUR COMPLETED FORM TO ERMENT ISSUING CONTRACTING OFFICER FOR TH W 2 OF THE COMPLETED DD FORM 1692.	THIS A	DDRE	ESS. RET	URN C	OMPLETED FORM TO THE	ect to any period		ata sources, ga on of informatic 5 Jefferson Dav comply with a	athering and on, including vis Highway, collection of					
	EFFECTS ON PRODUCT CON	NFIGU	UMEN	ITATION, LOGISTICS AN											
(X)	FACTOR	ENC	L.	PAR.	(X)	FACT	OR		ENCL.	PAR.					
	37. EFFECT ON PRODUCT CONFIGURATION DOCUMENTATION OR CONTRACT					39. EFFECT ON OPERATIONA EMPLOYMENT	L								
	a. PERFORMANCE					a. SAFETY									
	b. WEIGHT-BALANCE-STABILITY (Aircraft)					b. SURVIVABILITY									
	c. WEIGHT-MOMENT (Other equipment)					c. RELIABILITY									
	d. CDRL, TECHNICAL DATA					d. MAINTAINABILITY									
	e. NOMENCLATURE					e. SERVICE LIFE									
						f. OPERATING PROCEDUR	-								
	38. EFFECT ON INTEGRATED LOGISTICS SUPPORT (ILS) ELEMENTS					g. ELECTROMAGNETIC IN h. ACTIVATION SCHEDULE		ENCE							
	a. ILS PLANS					i. CRITICAL SINGLE POINT	FAILURE								
	b. MAINTENANCE CONCEPT, PLANS AND PROCEDURES					ITEMS j. INTEROPERABILITY									
						J. INTEROFERADIENT									
	c. LOGISTICS SUPPORT ANALYSES d. INTERIM SUPPORT PROGRAMS														
-	e. SPARES AND REPAIR PARTS					40. OTHER CONSIDERATIONS									
	f. TECH MANUALS/PROGRAMMING TAPES					a. INTERFACE									
	g. FACILITIES					b. OTHER AFFECTED EQUIPMENT/GFE/GFP									
-	h. SUPPORT EQUIPMENT					c. PHYSICAL CONSTRAINTS									
-	i. OPERATOR TRAINING					d. COMPUTER PROGRAM									
	j. OPERATOR TRAINING EQUIPMENT					RESOURCES	07.112								
	k. MAINTENANCE TRAINING					e. REWORK OF OTHER EC									
	I. MAINTENANCE TRAINING EQUIPMENT					f. SYSTEM TEST PROCED									
	m. CONTRACT MAINTENANCE					g. WARRANTY/GUARANTE									
-	n. PACKAGING, HANDLING, STORAGE,					h. PARTS CONTROL									
	TRANSPORTABILITY					i. LIFE CYCLE COSTS									
	TERNATE SOLUTIONS														
43. RI	ECOMMENDATIONS FOR RETROFIT														
44. W	ORK-HOURS PER UNIT TO INSTALL RETROFIT KITS				45. W	ORK-HOURS TO CONDUCT SYS	TEM TEST	S AFTER RETRO	FIT						
a. OF	RGANIZATION b. INTERMEDIATE c. DEPOT	d	I. OTH	HER											
46. TH	IIS CHANGE MUST BE ACCOMPLISHED	1				CONTRACTOR FIELD SERVICE		48. OUT OF SE	RVICE TIME						
	BEFORE WITH AFTER TH		LOWI	ING		YES NO									
	FECT OF THIS ECP AND PREVIOUSLY APPROVED ECP'S ON				50. D	ATE CONTRACTUAL AUTHORITY	Y NEEDED	FOR (YYYYMMD	D)						
IT	EM				a. PF	RODUCTION									
		b. RETROFIT													

ENGINEERING CHANGE F	Form Approved OMB No. 0704-0188									
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PLEASE DO NOT RETURN YOUR COMPLETED FORM TO GOVERNMENT ISSUING CONTRACTING OFFICER FOR IN ITEM 2 OF THE COMPLETED DD FORM 1692.					ECP NUMBER					
51. ESTIMATED NET TOTAL COST IMPACT (Use	parentheses for	savings)			<u> </u>					
			RECURR	ING		Other Costs/				
FACTOR	Non- Recurring	Unit	Quantity	Total (Recurring)	Total	Savings to the Government				
	(a)	(b)	(c)	(d)	(e)	(f)				
a. PRODUCTION COSTS / SAVINGS										
(1) CONFIGURATION ITEM / CSCI										
(2) FACTORY TEST EQUIPMENT										
(3) SPECIAL FACTORY TOOLING										
(4) SCRAP										
(5) ENGINEERING, ENGINEERING DATA REVISION										
(6) REVISION OF TEST PROCEDURES										
(7) QUALIFICATION OF NEW ITEMS										
(8) SUBTOTAL OF PROD COSTS / SAVINGS										
b. RETROFIT COSTS										
(1) ENGINEERING DATA REVISION										
(2) PROTOTYPE TESTING										
(3) KIT PROOF TESTING										
(4) RETROFIT KITS FOR OPERATIONAL SYSTEMS										
(5) PREP. OF MWO/TCTO/SC/ALT/TD										
(6) SPECIAL TOOLING FOR RETROFIT										
(7) INSTALLATION - CONTRACTOR PERSONNEL										
(8) INSTALLATION - GOVERNMENT PERSONNEL										
(9) TESTING AFTER RETROFIT										
(10) MODIFICATION OF GFE/GFP										
(11) QUALIFICATION OF GFE/GFP										
(12) SUBTOTAL OF RETROFIT COSTS/SAVINGS										
c. INTEGRATED LOGISTICS SUPPORT COSTS/ SAVINGS										
(1) SPARES/REPAIR PARTS REWORK										
(2) NEW SPARES AND REPAIR PARTS										
(3) SUPPLY/PROVISIONING DATA										
(4) SUPPORT EQUIPMENT										
(5) RETROFIT KITS FOR SPARES										
(6) OPERATOR TRAINING COURSES										
(7) MAINTENANCE TRAINING COURSES										
(8) REVISION OF TECH MANUALS										
(8)a. DEFICIENCY CORRECTION @ 20 HRS. ea.										
(9) NEW TECH MANUALS										
(10) TRAINING/TRAINERS										
(11) INTERIM SUPPORT										
(12) MAINTENANCE MANPOWER										
(13) COMPUTER PROGRAMS/DOCUMENTATION										
(14) SUBTOTAL OF ILS COSTS/SAVINGS										
d. OTHER COSTS/SAVINGS				ļ						
e. SUBTOTAL COSTS/SAVINGS										
(1) SUBTOTAL UNDER CONTRACT										
f. COORDINATION OF CHANGES WITH OTHER CONTRAC	CTORS									
g. COORDINATION CHANGES BY GOVERNMENT										
h. ESTIMATED NET TOTAL COSTS/SAVINGS										

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DD FORM 1692/3, AUG 96 (EG)

ENGINEERING CHAN	GE PROP	OSAL (ECP)), PAG	E 5			FORM APPROVED OMB No. 0704-0188				
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ITEM 2 OF THE COMPLETED DD FORM 1692. 52. ESTIMATED COSTS/SAVINGS SUMMARY,	RELATED	ECP'S (Use par	renthese	es for sa	vinas)						
	REEATED	CAGE CODE		ECP NUM	•		OST/SAVINGS	OTHER COSTS/SAVINGS			
		(a)		(b)	BER	-	CONTRACTS (c)	TO GOVERNMENT (d)			
a. PRODUCTION COSTS/SAVINGS (Subtotal of Costs/Savin Elements from Page 4, item 4.a., applicable to aircraft tank, vehicle, missile or its subsystem)											
(1) SUBTOTAL PRODUCTION COSTS/SAVINGS											
 RETROFIT COSTS (Applicable to aircraft, ship, tank, vel missile or its subsystem) 	nicle,										
(1) SUBSTOTAL RETROFIT COSTS											
c. INTEGRATED LOGISTICS SUPPORT COSTS/SAVINGS REVISED REQUIREMENTS											
 ITEM RETROFIT (If not covered under "b") (Applical aircraft, ship, tank, vehicle, missile or its subsystem 											
(2) ILS SUBTOTAL (Applicable to aircraft, ship, tank, ve missile or its subsystem)	hicle,										
(3) OPERATOR TRAINER (Net total cost/saving from ea covering operator trainer)	ch ECP										
(4) MAINTENANCE TRAINER (Net total cost/saving from ECP covering maintenance trainer)											
(5) OTHER TRAINING EQUIPMENT											
(6) SUPPORT EQUIPMENT (Net total cost/saving from e ECP on support equipment)											
(7) ILS PLANS											
(8) MAINTENANCE CONCEPT, PLANS, SYSTEM DOCUME	NTS										
(9) INTERIM SUPPORT PLAN		NON									
NEW REQUIREMENTS	CAGE CODE	NON- RECURRING COSTS	REC UNIT	QTY	COSTS TOTAL						
(10) PROVISIONING DOCUMENTATION											
(11) OPER TRNR/TRNG DEVICES/EQUIP											
(12) MANUALS/SPARES, REPAIR PARTS (For (11))											
(13) MAINTENANCE TRNR/TRNG DEVICES/EQUIPMENT											
(14) MANUALS/SPARES, REPAIR PARTS (For (13))											
(15) SUPPORT EQUIPMENT											
(16) MANUALS (For (15))											
(17) PROVISIONING DOCUMENTATION (For (15))											
(18) REPAIR PARTS (For 15)) (19) SUBTOTAL ILS COSTS/SAVINGS					1						
(Sum of c(1) through c(18))											
d. OTHER COSTS/SAVINGS (Total from page 4, item 4.d., or related ECP's)		CAGE CODE		ECP NUM	BER						
			1			1		1			
			1								
(1) TOTAL OTHER COSTS/SAVINGS											
(2) SUBTOTALS OF COLUMNS											
(3) SUBTOTAL UNDER CONTRACT											
e. ESTIMATED NET TOTAL COSTS/SAVINGS (a + b + c + d)											

ENGINEERING CHANGE PROPOSAL (ECP) (HARDWARE), PAGE 6												Form Approved OMB No. 0704-0188				
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PLEA	SE DO NOT RETURN YOUR COMPLETED FORM TO RACT/PROCURING ACTIVITY NUMBER LISTED IN IT				53. CAGE CODE											
54. CONFIGURATION ITEM NOMENCLATURE						55. T	TITLE OF CHAN	GE				-				
	ATE AUTHORIZATION TO PROCEED	V					S START	DELIVERY	Ĉ	СОМ	PLETE DELIVE	RY 🖷	PROGRI	ESS POINT		
	NO. OF MONTHS	1 2 3	4 5 6	7 8	9 10 11 12	13	14 15 16	17 18 19	20 21 22	23 24	25 26 27	28 29 30) 31 32 33	3 34 35 36		
a.	(1) Production															
CONF-	(2) Tech Manuals															
-GURAT	(3) Retrofit															
	(4) MWO / TCTO / SC / ALT / TD															
Н Е М	(5) Spares / Repair Parts															
М																
b.	(1) Production															
SUPPORT	(2) Tech Manuals / Prog. Tapes															
	(3) Retrofit															
EQU-	(4) MWO / TCTO / SC / ALT / TD															
P M E N T	(5) Repair Parts															
c. T	(1) Operator															
TRA-NER	(2) Maintenance															
E R																
		1 2 3	4 5 6	-	9 10 11 12	13	14 15 16	17 18 19	20 21 22	23 24	25 26 27	28 29 30	0 31 32 33	3 34 35 36		

ENGINEERING CHANGE PROPOSAL (ECP) (SOFTWARE), PAGE 7												Form Approved OMB No. 0704-0188				
The pr neede Depar be aw	The public reporting burden for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suiter 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information in tides not display a currently valid OMB control number.											ECP N	NUMBER			
PLEA	SE DO NOT RETURN YOUR COMPLETED FORM TO RACT/PROCURING ACTIVITY NUMBER LISTED IN ITE				57. CAGE CODE											
58. COMPUTER SOFTWARE ITEM NOMENCLATURE 5						59.	TITLE OF	CHANGE					-			
	ATE AUTHORIZATION TO PROCEED						S s	START DELIVE	ERY	Ĉ	COMI	PLETE DELIVE	RY		PROGRE	SS POINT
	NO. OF MONTHS	1 2 3	4 5	6 7 8	9 10 11 12	2 13	14 15	16 17 18	19 20	21 22	23 24	25 26 27	28 29	30 31	32 33	34 35 36
a.	(1) Software Engineering															
C O N F	(2) Software Documentation															
G U R	(3) Software Replication															
A T I O	(4) Software Distribution															
N I T																
E M																
b.	(1) Software Engineering Environment Upgrade															
SUPPORT	(2) Software Test Environment Upgrade															
E Q U																
P M E N T																
c. T	(1) Operator															
TRA-NER	(2) Maintenance															
R							1 1								1 1	
		1 2 3	4 5	6 7 8	9 10 11 12	2 13	14 15	16 17 18	19 20	21 22	23 24	25 26 27	28 29	30 31	32 33	34 35 36