

<b>ENGINEERING CHANGE PROPOSAL (ECP), PAGE 1</b>					1. DATE (YYMMDD)		Form Approved RDMR-SET	
Send comments and/or questions regarding use of this form to Commander, US Army Aviation and Missile Command, RDMR-SET, Redstone Arsenal, AL 35898-5000. <b>PLEASE RETURN YOUR COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT/PROCURING ACTIVITY WITH A COPY TO THIS ADDRESS.</b>							2. PROCURING ACTIVITY NO.	
DISTRIBUTION STATEMENT							3. DODAAC	
4. ORIGINATOR			b. ADDRESS (Street, City, State, Zip Code)			5. CLASS OF ECP		
a. TYPED NAME (First, Middle Initial, Last)						6. JUST. CODE		7. PRIORITY
8. ECP DESIGNATION						9. BASELINE AFFECTED		
a. MODEL/TYPE		b. CAGE CODE		c. SYSTEM DESIGNATION		<input type="checkbox"/> FUNCTIONAL ALLOCATED		<input type="checkbox"/> PRODUCTION
d. ECP NO.				e. TYPE	f. REV		10. OTHER SYS./CONFIG. ITEMS AFFECTED	
							<input type="checkbox"/> YES <input type="checkbox"/> NO	
11. SPECIFICATIONS AFFECTED					12. DRAWINGS AFFECTED			
	CAGE Code	Specification/Document No.	REV.	SCN	CAGE Code	NUMBER	REV.	NOR
a. SYSTEM								
b. DEVELOPMENT								
c. PRODUCTION								
13. TITLE OF CHANGE								
14. CONTRACT NO. AND LINE ITEM					15. PROCURING CONTRACTING OFFICER			
					a. NAME (First, Middle, Last)			b. CODE
16. CONFIGURATION ITEM NOMENCLATURE							17. IN PRODUCTION	
							<input type="checkbox"/> YES <input type="checkbox"/> NO	
18. ALL LOWER LEVEL ITEMS AFFECTED								
a. NOMENCLATURE				b. PART NO.			c. NSN	
19. DESCRIPTION OF CHANGE								
20. NEED FOR CHANGE								
21. PRODUCTION EFFECTIVITY BY SERIAL NUMBER					22. EFFECT ON PRODUCTION DELIVERY SCHEDULE			
23. RETROFIT								
a. RECOMMENDED RETROFIT EFFECTIVITY					b. SHIP/VEHICLE CLASS AFFECTED			
c. ESTIMATED KIT DELIVERY SCHEDULE					d. LOCATIONS OR SHIP/VEHICLE NUMBERS AFFECTED			
24. ESTIMATED COST/SAVINGS UNDER CONTRACT					25. ESTIMATED NET TOTAL COSTS/SAVINGS			
23. SUBMITTING ACTIVITY					b. TITLE AND PHONE NUMBER			
a. AUTHORIZED SIGNATURE								
27. APPROVAL/DISAPPROVAL								
a. CLASS I			b. CLASS II			c. CLASS II		
<input type="checkbox"/> APPROVAL RECOMMENDED	<input type="checkbox"/> DISAPPROVAL RECOMMENDED		<input type="checkbox"/> APPROVED	<input type="checkbox"/> DISAPPROVED		<input type="checkbox"/> CONCUR IN CLASSIFICATION OF CHANGE	<input type="checkbox"/> DO NOT CONCUR IN CLASSIFICATION OF CHANGE	
d. GOVERNMENT ACTIVITY					e. SIGNATURE		f. DATE SIGNED (YYMMDD)	
g. APPROVAL		h. GOVERNMENT ACTIVITY			i. SIGNATURE		j. DATE SIGNED (YYMMDD)	
<input type="checkbox"/> APPROVED								
<input type="checkbox"/> DISAPPROVED								

**ENGINEERING CHANGE PROPOSAL (ECP), PAGE 2***Form Approved  
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**EFFECTS ON FUNCTIONAL/ALLOCATED CONFIGURATION DOCUMENTATION**

28. OTHER SYSTEMS AFFECTED

29. OTHER CONTRACTORS/ACTIVITIES AFFECTED

30. CONFIGURATION ITEMS AFFECTED

31. EFFECTS ON PERFORMANCE ALLOCATIONS AND INTERFACES IN SYSTEM SPECIFICATION

32. EFFECTS ON EMPLOYMENT, INTEGRATED LOGISTICS SUPPORT, TRAINING, OPERATIONAL EFFECTIVENESS OR SOFTWARE

33. EFFECTS ON CONFIGURATION ITEM SPECIFICATIONS

34. DEVELOPMENTAL REQUIREMENTS AND STATUS

35. TRADE-OFFS AND ALTERNATE SOLUTIONS

36. DATE BY WHICH CONTRACTUAL AUTHORITY IS NEEDED (YYMMDD)

# ENGINEERING CHANGE PROPOSAL (ECP), PAGE 3

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## EFFECTS ON PRODUCT CONFIGURATION DOCUMENTATION, LOGISTICS AND OPERATIONS

(X)	FACTOR	ENCL.	PAR.	(X)	FACTOR	ENCL.	PAR.
	<b>37. EFFECTS ON PRODUCTION CONFIGURATION DOCUMENTATION OR CONTRACT</b>				<b>39. EFFECTS ON OPERATIONAL EMPLOYMENT</b>		
	a. PERFORMANCE				a. SAFETY		
	b. WEIGHT-BALANCE-STABILITY ( <i>Aircraft</i> )				b. SURVIVABILITY		
	c. WEIGHT-MOVEMENT ( <i>Other equipment</i> )				c. RELIABILITY		
	d. CDRL, TECHNICAL DATA				d. MAINTAINABILITY		
	e. NOMENCLATURE				e. SERVICE LIFE		
					f. OPERATING PROCEDURES		
	<b>38. EFFECT ON INTEGRATED LOGISTICS SUPPORT (ILS) ELEMENTS</b>				g. ELECTROMAGNETIC INTERFERENCE		
	a. ILS PLANS				h. ACTIVATION SCHEDULE		
	b. MAINTENANCE CONCEPT, PLANS AND PROCEDURES				i. CRITICAL SINGLE POINT FAILURE ITEMS		
	c. LOGISTICS SUPPORT ANALYSES				j. INTEROPERABILITY		
	d. INTERIM SUPPORT PROGRAMS						
	e. SPARES AND REPAIR PARTS				<b>40. OTHER CONSIDERATIONS</b>		
	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 PROGRAMS AND RESOURCES		
	j. OPERATOR TRAINING EQUIPMENT				e. REWORK OF OTHER EQUIPMENT		
	k. MAINTENANCE TRAINING				f. SYSTEM TEST PROCEDURES		
	l. MAINTENANCE TRAINING EQUIPMENT				g. WARRANTY/GUARANTEE		
	m. CONTRACT MAINTENANCE				h. PARTS CONTROL		
	n. PACKAGING, HANDLING, STORAGE TRANSPORTABILITY				i. LIFE CYCLE COSTS		

**41. ALTERNATE SOLUTIONS**

**42. DEVELOPMENTAL STATUS**

**43. RECOMMENDATIONS FOR RETROFIT**

**44. WORK-HOURS PER UNIT TO INSTALL RETROFIT KITS**

a. ORGANIZATION    b. INTERMEDIATE    c. DEPOT    d. OTHER

**45. WORK-HOURS TO CONDUCT SYSTEM TESTS AFTER RETROFIT**

**46. THIS CHANGE MUST BE ACCOMPLISHED**

BEFORE     WITH     AFTER THE FOLLOWING CHANGES

**47. IS CONTRACTOR FIELD SERVICE ENGINEERING REQUIRED?**

YES     NO

**48. OUT OF SERVICE TIME**

**49. EFFECT OF THIS ECP AND PREVIOUSLY APPROVED ECP'S ON ITEM**

**50. DATE CONTRACTUAL AUTHORITY NEEDED FOR (YYMMDD)**

a. PRODUCTION

b. RETROFIT

# ENGINEERING CHANGE PROPOSAL (ECP), PAGE 4

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**51. ESTIMATED NET TOTAL COST IMPACT** *(Use parentheses for savings)*

FACTOR	COST/SAVINGS UNDER CONTRACT					Other Costs/ Savings to the Government (f)
	Non- Recurring (a)	RECURRING			Total (e)	
		Unit (b)	Quantity (c)	Total <i>(Recurring)</i> (d)		
<b>a. PRODUCTION COST/SAVINGS</b>						
(1) CONFIGURATION ITEM/CSCI						
(2) FACTORY TEST EQUIPMENT						
(3) SPECIAL FACTORY TOOLING						
(4) SCRAP						
(5) ENGINEERING, ENGINEERING DATA REV						
(6) REVISION OF TEST PROCEDURES						
(7) QUALIFICATION OF NEW ITEMS						
(8) SUBTOTAL OF PROD COSTS/SAVINGS						
<b>b. RETROFIT COSTS</b>						
(1) ENGINEERING DATA REVISION						
(2) PROTOTYPE TESTING						
(3) KIT PROOF TESTING						
(4) RETROFIT KITS FOR OPERATIONAL SYS						
(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						
<b>c. INTEGRATED LOGISTICS SUPPORT COSTS/SAVINGS</b>						
(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 TECHNICAL MANUALS						
(9) NEW TECHNICAL MANUALS						
(10) TRAINING/TRAINERS						
(11) INTERIM SUPPORT						
(12) MAINTENANCE MANPOWER						
(13) COMPUTER PROGRAMS/DOC						
(14) SUBTOTAL OF ILS COSTS/SAVINGS						
<b>d. OTHER COSTS/SAVINGS</b>						
<b>e. SUBTOTAL COSTS/SAVINGS</b>						
(1) SUBTOTAL UNDER CONTRACT						
<b>f. COORDINATION OF CHANGES WITH OTHER CONTRACTORS</b>						
<b>g. COORDINATION CHANGES BY GOVERNMENT</b>						
<b>h. ESTIMATED NET TOTAL COSTS/SAVINGS</b>						

# ENGINEERING CHANGE PROPOSAL (ECP), PAGE 5

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**52. ESTIMATED COSTS/SAVINGS SUMMARY, RELATED ECP'S** *(Use parentheses for savings)*

	CAGE CODE (a)	ECP NUMBER (b)	COSTS / SAVINGS UNDER CONTRACTS (c)	OTHER COSTS / SAVINGS TO GOVERNMENT (d)
<b>a. PRODUCTION COSTS/SAVINGS</b> <i>(Subtotal of Costs/Savings Elements from Page 4, Item 4.a., applicable to aircraft, ship, tank vehicle, missile or its subsystem)</i>				
(1) SUBTOTAL PRODUCTION COSTS / SAVINGS				
<b>b. RETROFIT COSTS</b> <i>(Applicable to aircraft, ship, tank, vehicle, missile or its subsystem)</i>				
(1) SUBTOTAL RETROFIT COSTS				
<b>c. INTEGRATED LOGISTICS SUPPORT COSTS / SAVINGS REVISED REQUIREMENTS</b>				
(1) ITEM RETROFIT <i>(If not covered under "b") (Applicable to aircraft, ship, tank, vehicle, missile or its subsystem)</i>				
(2) ILS SUBTOTAL <i>(Applicable to aircraft, ship, tank, vehicle, missile or its subsystem)</i>				
(3) OPERATOR TRAINER <i>(Net total cost / saving from each ECP covering operator trainer)</i>				
(4) MAINTENANCE TRAINER <i>(Net total cost saving from each ECP covering maintenance trainer)</i>				
(5) OTHER TRAINING EQUIPMENT				
(6) SUPPORT EQUIPMENT <i>(Net total cost / saving from each ECP on support equipment)</i>				
(7) ILS PLANS				
(8) MAINTENANCE CONCEPT, PLANS, SYSTEM DOCUMENTS				
(9) INTERIM SUPPORT PLAN				
<b>NEW REQUIREMENTS</b>	<b>CAGE CODE</b>	<b>NON-RECURRING COSTS</b>	<b>RECURRING COSTS</b>	
			<b>UNIT</b>	<b>QTY</b>
			<b>TOTAL</b>	
(10) PROVISIONING DOCUMENTATION				
(11) OPER TRNR / TRNG DEVICES / EQUIP				
(12) MANUALS / SPARES, REPAIR PARTS <i>(For (11))</i>				
(13) MAINTENANCE TRNR/TRNG DEVICES/EQUIP				
(14) MANUALS/SPARES, REPAIR PARTS <i>(For (13))</i>				
(15) SUPPORT EQUIPMENT				
(16) MANUALS <i>(For (15))</i>				
(17) PROVISIONING DOCUMENTATION <i>(For (15))</i>				
(18) REPAIR PARTS <i>(For (15))</i>				
(19) SUBTOTAL ILS COSTS / SAVINGS <i>(Sum of c(1) through c(18))</i>				
<b>d. OTHER COSTS / SAVINGS</b> <i>Total from Page 4, Item 4.d, or related ECP's)</i>	<b>CAGE CODE</b>	<b>ECP NUMBER</b>		
(1) TOTAL OTHER COSTS / SAVINGS				
(2) SUBTOTAL OF COLUMNS				
(3) SUBTOTAL UNDER CONTRACT				
<b>e. ESTIMATED NET TOTAL COSTS / SAVINGS</b> <i>(a + b + c + d)</i>				



# ENGINEERING CHANGE PROPOSAL (ECP) (SOFTWARE), PAGE 7

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**53. CAGE CODE**

**54. CONFIGURATION ITEM NOMENCLATURE**

**55. TITLE OF CHANGE**

**56. DATE AUTHORIZATION TO PROCEED RECEIVED BY CONTRACTOR** ▼

START DELIVERY PROGRESS POINT **S** **C**

COMPLETE DELIVERY ▼

NO. OF MONTHS		1	2	3	4	5	6	7	8	9	0	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3
a . C O N F I G U R A T I O N  I T E M	(1) Software Engineering																																			
	(2) Software Documentation																																			
	(3) Software Replication																																			
	(4) Software Distribution																																			
b . S U P P O R T E Q U I P M E N T	(1) Software Engineering Environment Upgrade																																			
	(2) Software Test Environment Upgrade																																			
c . T R A I N E R	(1) Operator																																			
	(2) Maintenance																																			
NO. OF MONTHS		1	2	3	4	5	6	7	8	9	0	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3