

- 1 MAY 2003

MEMORANDUM FOR: AMSTA-AR-QAD (D)

SUBJECT: Transmittal of Completed Engineering Action Number R3A2039 and Implementation Data

1. The AMCCOM Configuration Control Board Directive (CCBD) dated, 22 April 2003, and associated change documentation (encl), subject: Projectile, 155MM: Practice, M804A1/9331795 is provided for expeditious action. If tasked to execute an action, and implementation cannot be accomplished on or before the agreed to CCB date, the POC identified in paragraph 2 should be notified of the slippage by return endorsement with explanation/reason for the slippage, and a new planned implementation date.

2. The POC is Mr. Melvin Brown, AMSTA-AR-FSA-RA, extension 28461, E-mail address brownm3@ria.army.mil.



JOHN E. HYER  
Artillery & Mortar Team Leader

Encl

CF:

AMSJM-CDA (A. Almeida)/(J. Abbott)  
AMSTA-AR-FSA-RA  
AMSTA-AR-FSA-P (Jim Eng)  
AMSJM-CCA-L (Kim Crecelius)  
AMSTA-AR-WEA (Tom Mueller)

**CONFIGURATION REVIEW BOARD DIRECTIVE** 1. PAN R3A2039

2. CONFIGURATION ITEM / PART NUMBER  
Projectile, 155MM; Practice, M804A1, 9331795

3. CCB NAME / LEVEL / DATE  
Towed Artillery / II / 22 April 2003

4. TYPE OF ACTION  
 ECP     VECP     RFW  
 VEP     RFD     OTHER

5. ACTION ORIGINATOR NAME  
AMSTA-AR-WEA

6. ACTION ORIGINATOR NUMBER AND DATE  
R3A2039, 20030310

7. COORDINATION WITH COMBAT DEVELOPER  
*Determine by completing a Combat Developer Coordination Checksheet for all class 1 ECPs for type classified items*

8. SYNOPSIS OF CHANGE  
Update the forged metal body drawings, revise the protective finish requirement and add the universal lifting plug drawing.

9. MODIFICATION TO SUBMITTED ACTION  
 NONE     REVISION     CORRECTION     SEE PAGE 2

10. POSITION ON RECOMMENDATION TO CONFIGURATION MANAGER

OFFICE SYMBOL	SIGNATURE	CONCUR		OFFICE SYMBOL	SIGNATURE	CONCUR	
		YES	NO			YES	NO
AMSTA-AR-FSA-RA	<i>[Signature]</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	AMSJM-CTM	E. Varcho,	<input checked="" type="checkbox"/>	<input type="checkbox"/>
AMSJM-CDA	<i>[Signature]</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	AMSJM-SF	J. Rivera, E-Mail	<input checked="" type="checkbox"/>	<input type="checkbox"/>
				AMSJM-RPM	R. Roehlk, E-Mail, No Input		
				AMSJM-QAS	<i>[Signature]</i>		<input checked="" type="checkbox"/>
					* No Input Required		
					**Invited, Did not attend		

**REMARKS:**

a. PURPOSE: This ECP updates the forged metal body drawings, revises the protective finish requirement and adds the universal lifting plug drawing. The updates are being done in support new procurement of the M804A1 practice projectile.

12a. ECP CLASSIFICATION  
 I  
 II

12b. RFW/RFD DESIGNATION  
 CRITICAL     MINOR  
 MAJOR

12c. RECURRING RFD/RFW  
 NO  
 YES-ECP REQUIRED?  
 YES     NO

12d. ECP RESULTS FROM RFW/D  
 YES  
 NO

12e. COST IMPACT  
 NONE  
 DECREASE \$

13a. CHAIRMAN RECOMMENDATION  
 APPROVE     APPROVE AS MODIFIED  
 DISAPPROVE     OTHER

13b. CCB CHAIRMAN  
 JACK HYER *[Signature]*  
 Artillery and Mortars Team Leader

13c. DATE  
1 May 2003

13d. TELEPHONE  
DSN 793-8127

14a. DECISION ON ACTION  
 APPROVE     APPROVE AS MODIFIED  
 DISAPPROVE     OTHER

14b. CONFIGURATION MANAGER  
 ARTHUR J. HEYDERMAN *[Signature]*  
 Chief, FSAC Prodn & Log Eng Sup Team

14c. DATE  
2003 0502

14d. TELEPHONE  
DSN 793-4993

**11. REMARKS (CONT)**

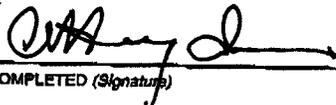
- b. RECOMMENDATION: Approve as modified
- c. RATIONALE: There is going to be new procurement of the M804A1 practice projectile and these updates are being done as part of the TDP certification process.
- d. MODIFICATIONS: Modify the NOR for drawing 9331795, zone E-3 by adding the shock attenuating lifting plug to the drawing, the revised "TO" will read  
  
 "UNIVERSL LIFTING PLUG ASSEMBLY – 9345325  
 OR SHOCK ATTENUATING LIFTING PLUG – 9341742  
 NOTE 4"
- e. SQAP AFFECTED: None
- f. TMs AFFECTED: None
- g. OTHER SYSTEMS AFFECTED: None
- h. CONTRACTS AFFECTED: No current contract
- i. IMPLEMENTATION INSTRUCTIONS:  
 This action is forwarded to AMSJM-CCA-L, ATTN: Kim Crecelius for implementation into the future contract. It is also forwarded to AMSTA-AR-QAD for implementation in the TDP.
- j. READINESS IMPACT: None
- k. EOD IMPACTED: No
- m. VE SAVINGS :None
- n. OZONE DEPLETING SUBSTANCE ELIMINATED: N/A
- .
- o. MTCR IMPACT: None

<b>CONFIGURATION CONTROL BOARD DIRECTIVE DESIGN ACTIVITY EVALUATION</b>				1. PAN <b>R3A2039</b>			
2a. TYPE ITEM <input checked="" type="checkbox"/> TRANSFERRED <input type="checkbox"/> PROJECT MANAGED Other _____		2b. TYPE ACTION <input checked="" type="checkbox"/> ECP                      RFD VEP                                  RFW                      Other _____ VECP					
3a. CONTRACT(s) AFFECTED		3b. SOLICITATION(s) AFFECTED					
4. APPLICATION <input checked="" type="checkbox"/> Apply to current contracts/solicitions <input checked="" type="checkbox"/> Apply to future applications Formalizes change previously authorized via: _____  Associated or Interface Changes as listed in remarks.			RETROFIT BY: Attrition Minor Alteration MWO	5. COST IMPACT <input checked="" type="checkbox"/> NONE  INCREASE \$ _____  DECREASE \$ _____			
6a. RECOMMENDATION TO CONFIGURATION MANAGER: <input checked="" type="checkbox"/> APPROVE                      APPROVE WITH MODIFICATION DISAPPROVE                      OTHER: _____			6b. MODIFICATION(s) TO SUBMITTED ACTION <input checked="" type="checkbox"/> NONE                      AS FOLLOWS:				
7. POSITION ON RECOMMENDATION TO CONFIGURATION MANAGER							
DOCUMENTS/ DISCIPLINE	IMPACTED		OFFICE SYMBOL	TELEPHON	TYPED/PRINTED NAME AND SIGNATURE	CONCUR	
	YES	NO				YES	NO
PRODUCT DRAWINGS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	AMSTA-AR-WEA	880-6504	THOMAS MUELLER <i>Thomas Mueller</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SPECIFICATIONS/QAPs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AMSTA-AR-QAA-R	880-5406	AUGUST THIESING <i>August Thiesing</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PACKAGING DATA	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AMSTA-AR-WEP	880-2769	ALVIN LEW <i>Alvin Lew</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SOFTWARE	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>
MAINTENANCE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AMSTA-AR-WEL	880-4126	JUAN FRANCO <i>Juan Franco</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
OTHER (Specify)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AMSTA-AR-FSA-P	880-2459	JIM ENG <i>Jim Eng</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
VALUE ENGINEERING	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>
* NOTE: A Notice of Revision (NOR) is required for each document needing revision when a change is recommended for approval.							
REMARKS  UPDATE OF M804A1 FORGED BODY METAL PARTS DRAWINGS FOR NEW PROCUREMENT. PROTECTIVE FINISH REQUIREMENT REVISED, ADDITION OF UNIVERSAL LIFTING PLUG.							
9a. OFFICE SYMBOL  AMSTA-AR-FSA-P		9b. TYPED/PRINTED NAME AND TITLE  ED ACKERMAN		9c. SIGNATURE <i>Ed Ackerman</i>		19d. DATE <b>19 MAR 03</b>	
						9e. TELEPHONE <b>DSU 880-5628</b>	

FARA

<b>ENGINEERING CHANGE PROPOSAL (ECP), PAGE 1</b>				1. DATE (YYMMDD) 030310		Form Approved OMB No. 0704-0188		
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 this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. <b>PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT / PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.</b>						2. PROCURING ACTIVITY NO. R3A2039		
						3. DODAAC		
4. ORIGINATOR a. TYPED NAME (First, Middle Initial, Last) THOMAS MUELLER			b. ADDRESS (Street, City, State, Zip Code) U.S. ARMY ARDEC B-355N, AMSTA-AR-WEA PICATINNY ARSENAL, N.J. 07806-5000			5. CLASS OF ECP II		
8. ECP DESIGNATION a. MODEL/TYPE M804A1 b. CAGE CODE 19200 c. SYSTEM DESIGNATION 155 MM			6. JUST. CODE D		7. PRIORITY R			
d. ECP NO. R3A2039			e. TYPE F		f. REV			
11. SPECIFICATIONS AFFECTED			9. BASELINE AFFECTED FUNCTIONAL <input checked="" type="checkbox"/> PRODUCT ALLOCATED					
12. DRAWINGS AFFECTED			10. OTHER SYS./CONFIG. ITEMS AFFECTED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO					
a. SYSTEM			CAGE Code		Specification/Document No.		Rev. SCN	
b. DEVELOPMENT								
c. PRODUCT								
13. TITLE OF CHANGE UPDATE METAL PARTS DRAWINGS			15. PROCURING CONTRACTING OFFICER a. NAME (First, Middle Initial, Last) b. CODE c. TELEPHONE NO.					
14. CONTRACT NO. AND LINE ITEM			17. IN PRODUCTION <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					
16. CONFIGURATION ITEM NOMENCLATURE PROJECTILE, 155MM,PRACTICE, M804A1			18. ALL LOWER LEVEL ITEMS AFFECTED a. NOMENCLATURE PROJ, 155MM, PRAC, M804A1 (FORGED) MTL PRTS ASSLY b. PART NO. 9331795 c. NSN					
19. DESCRIPTION OF CHANGE UPDATE OF METAL PARTS DRAWINGS			20. NEED FOR CHANGE NEW PROCUREMENT OF ITEM REQUIRES UPDATE OF METAL PARTS DRAWINGS					
21. PRODUCTION EFFECTIVITY BY SERIAL NUMBER N/A			22. EFFECT ON PRODUCTION DELIVERY SCHEDULE N/A					
23. RETROFIT a. RECOMMENDED ITEM EFFECTIVITY N/A			b. SHIP / VEHICLE CLASS AFFECTED N/A					
c. ESTIMATED KIT DELIVERY SCHEDULE N/A			d. LOCATIONS OR SHIP / VEHICLE NUMBERS AFFECTED N/A					
24. ESTIMATED COSTS / SAVINGS UNDER CONTRACT N/A			25. ESTIMATED NET TOTAL COSTS / SAVINGS N/A					
26. SUBMITTING ACTIVITY a. AUTHORIZED SIGNATURE <i>Mark Curli</i>			b. TITLE Mark Curli, Supr Chem Engr					
27. APPROVAL / DISAPPROVAL			a. CLASS I APPROVAL RECOMMENDED <input type="checkbox"/> DISAPPROVAL RECOMMENDED <input type="checkbox"/>					
b. CLASS II APPROVED <input type="checkbox"/> DISAPPROVED <input type="checkbox"/>			c. CLASS II CONCUR IN CLASSIFICATION OF CHANGE <input type="checkbox"/> DO NOT CONCUR IN CLASSIFICATION OF CHANGE <input type="checkbox"/>					
d. GOVERNMENT ACTIVITY			e. SIGNATURE		f. DATE SIGNED (YYMMDD)			
g. APPROVAL <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED			h. GOVERNMENT ACTIVITY as mod. filed TACOM-ARDEC, AMSTA-AR-FSA		i. SIGNATURE <i>[Signature]</i> Chief, FSAC Prod & Log Eng Spt Team		j. DATE SIGNED (YYMMDD) 2003 0502	

26 MAR 2003  
320-03

NOTICE OF REVISION (NOR)		1. DATE (YYMMDD)	Form Approved OMB No. 0704-0188
THIS REVISION DESCRIBED BELOW HAS BEEN AUTHORIZED FOR THE DOCUMENT LISTED		3 03 10	
<small>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 this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington DC 20503. PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT/PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.</small>			2. PROCURING ACTIVITY NO. R3A2039
			3. DODAAC
4. ORIGINATOR	b. ADDRESS (Street, City, State, Zip Code)	5. CAGE CODE	6. NOR NO.
a. TYPED NAME (First, Middle Initial, Last) THOMAS MUELLER	U.S. ARMY ARDEC BLDG 355N, AMSTA-AR-WEA PICATINNY ARSENAL, N.J. 07806-5000	19200	R3A2039
		7. CAGE CODE	8. DOCUMENT NO.
		19200	9331795
9. TITLE OF DOCUMENT	10. REVISION LETTER		11. ECP NO.
PROJECTILE, 155MM, PRACTICE, M804A1 (FORGED) METAL PARTS ASSEMBLY	a. CURRENT F		R3A2039
		b. NEW	
12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES PROJECTILE, 155MM, PRACTICE, M804A1			
			SHEET 1 OF 2
13. DESCRIPTION OF REVISION			
IN ZONE E-3, REVISE:			
FROM: "LIFTING PLUG" 10520074 NOTE 4		TO: " UNIVERSAL LIFTING PLUG ASSEMBLY - 9345325 OR SHOCK ATTENUATING LIFTING PLUG - 9341742 NOTE 4 "	
DELETE NOTE 2: " 2- PROTECTIVE FINISH... .. PACKAGING AND SHIPPING."			
DELETE NOTE 3: " 3- PROJECTILE COAT ... .. TESTED PER MIL-P-63345. "			
ADD NOTE 2: "PREPARE ALL SURFACES IN ACCORDANCE WITH FINISH NO. 5.1.1 (ZINC PHOPHATE BASE, TT-C-490, TYPE 1) PER SPEC MIL-STD-171. "			
ADD NOTE 3: "PROTECTIVE FINISH: PRIOR TO ASSEMBLY OF GROMMET AND UNIVERSAL LIFTING PLUG ASSEMBLY, COAT EXTERIOR SURFACES EXCEPT FOR THE ROTATING BAND AND SURFACE "B" WITH TWO COATS OF AMMUNITION TOPCOAT IAW DRAWING 12997579-3, BLUE NO. 35109 OF FED-STD-595 AND MIL-STD-171. COATING THICKNESS OF EACH COAT SHALL BE 0.9 MIL MIN. IF THE COMBINED TWO COAT THICKNESS EXCEEDS 2.5 MIL, THE MAXIMUM MATERIAL CONDITION MUST BE CONTROLLED TO PERMIT PASSAGE OF A MAXIMUM DIAMETER RING GAGE (6.097 MAX) AFTER APPLICATION OF FINAL PROTECTIVE COATING. PROJECTILE SHALL HAVE A SURFACE TEMPERATURE OF 100-140 DEGREES F AT THE TIME OF COATING. INITIAL COAT SHALL BE SET TO TOUCH (APPROX. 2-4 MINUTES) PRIOR TO TOPCOATING. COATING SHALL OVERLAP LEADING EDGE OF ROTATING BAND NOT TO EXCEED ONE EIGHTH INCH. IMMEDIATELY AFTER COATING, PROJECTILE SHALL BE BAKED FOR A MINIMUM OF 30 MINUTES AT A TEMPERATURE OF 225° F +/-25° F AND SHALL BE STORED FOR A MINIMUM OF 24 HOURS PRIOR TO SHIPPING, COATING MUST WITHSTAND A 96 HOUR EXPOSURE TO 5% SALT SPRAY PER ASTM-B117. THE REQUIREMENTS OF TT-C-490 PERTAINING TO PAINTED ITEMS APPLY REGARDLESS OF THE PRETREATMENTS USED. "			
DISTRIBUTION STATEMENT A			
14. THIS SECTION FOR GOVERNMENT USE ONLY			
a. (X one)	<input checked="" type="checkbox"/> (1) Existing document supplemented by this NOR may be used in manufacture. <input type="checkbox"/> (2) Revised document must be received before manufacturer may incorporate this change. <input type="checkbox"/> (3) Custodian of master document shall make above revision and furnish revised document.		
b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT TACOM-ARDEC, AMSTA-AR-FSA-R		c. TYPED NAME (First, Middle Initial, Last)	
d. TITLE ARTHUR J. HEYDERMAN Chief, FSAC Prod & Log Eng Spt Team	e. SIGNATURE 		f. DATE SIGNED (YYMMDD) 20030502
15.a. ACTIVITY ACCOMPLISHING REVISION AMSTA-AR-WEA	b. REVISION COMPLETED (Signature)		c. DATE SIGNED (YYMMDD)

DD FORM 1695, APR 92 (EF-V1) (PerFORM PRD)

PREVIOUS EDITIONS ARE OBSOLETE.

DISTRIBUTION STATEMENT A : UNLIMITED

**NOTICE OF REVISION (NOR)**  
**THIS REVISION DESCRIBED BELOW HAS BEEN AUTHORIZED FOR THE DOCUMENT LISTED**

1. DATE (YYMMDD)

3 03 10

Form Approved  
 OMB No. 0704-0188

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 this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington DC 20503. PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT/PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.

2. PROCURING ACTIVITY NO.

R3A2039

3. DODAAC

4. ORIGINATOR

a. TYPED NAME (First, Middle Initial, Last)  
 THOMAS MUELLER

b. ADDRESS (Street, City, State, Zip Code)  
 U.S. ARMY ARDEC  
 BLDG 355N, AMSTA-AR-WEA  
 PICATINNY ARSENAL, N.J. 07806-5000

5. CAGE CODE  
 19200

7. CAGE CODE  
 19200

6. NOR NO.  
 R3A2039

8. DOCUMENT NO.  
 9331795

9. TITLE OF DOCUMENT  
 PROJECTILE, 155MM, PRACTICE, M804A1 (FORGED)  
 METAL PARTS ASSEMBLY

10. REVISION LETTER

a. CURRENT  
 F

b. NEW

11. ECP NO.  
 R3A2039

12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES  
 PROJECTILE, 155MM, PRACTICE, M804A1

SHEET 2 OF 2

13. DESCRIPTION OF REVISION

IN ZONE D-3, REVISE PICTORIAL TO SHOW UNIVERSAL LIFTING PLUG WITH WIDE FLANGE.

IN THE NEXT ASSEMBLY APPLICATION BLOCK, REVISE:

FROM: " 9331794 "

TO: " 12913926 "

ADD: " DISTRIBUTION STATEMENT A. APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED. "

UPDATE STATUS OF REVISION BLOCK

DISTRIBUTION STATEMENT A

14. THIS SECTION FOR GOVERNMENT USE ONLY

- a. (X one)  (1) Existing document supplemented by this NOR may be used in manufacture.  
 (2) Revised document must be received before manufacturer may incorporate this change.  
 (3) Custodian of master document shall make above revision and furnish revised document.

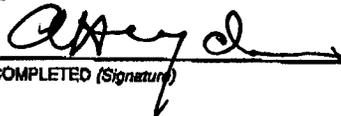
b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT

TACOM-ARDEC, AMSTA-AR-FSA-B

c. TYPED NAME (First, Middle Initial, Last)

d. SIGNATURE  
 ARTHUR J. HEYDERMAN  
 Chief, FSAC Prod & Log Eng Spt Team

e. SIGNATURE



f. DATE SIGNED (YYMMDD)

2003 0502

15.a. ACTIVITY ACCOMPLISHING REVISION

AMSTA-AR-WEA

b. REVISION COMPLETED (Signature)

c. DATE SIGNED (YYMMDD)





